

Quarter ending 31st March 1880.—(Continued).

8	9	10	11	12	13	14	15	16	17
Date of issue from the press, or place of publication.	Number of sheets, leaves, or pages.	Size.	First, second, or other edition.	Number of copies of which the edition consists.	Printed or lithographed.	Price at which the book is sold to the public.	Name and residence of proprietor of copyright, or any portion of it.	REMARKS.	Number.
PAMPHLETS—EDUCATIONAL.									
1880.	Pages.					Rs. A. P.			
Jan. 2nd	22	8vo. ...	1st ...	1,000	Printed	0 5 0	Not given	Parts of speech and meanings of words, and occasionally meanings of sentences.	20
10th	25	8vo. ...	1st ...	1,000	ditto ...	0 4 6	ditto	ditto	21
1879.									
Dec. 31st	52	8vo. ...	3rd ...	2,000	ditto ...	0 5 0	Baradā Prasād Majumdār, 22, Jhāmāpukar Lane, Calcutta.		23
1880.									
Mar. 12th	43	8vo. ...	1st ...	500	ditto ...	0 6 0	Harendra Náth Ghosh, Calcutta.		23
„ 17th	24	8vo. ...	1st ...	1,000	ditto ...	0 4 0	Hridaya Náth Datta of Má-karda.	The words of which Bengali equivalents are given are classified.	24
1879.									
Dec. 8th	60	12mo. ...	2nd ...	1,000	ditto ...	0 5 0	Not given	“ Revised and improved ”	25
„ 16th	62	8vo. ...	1st ...	1,000	ditto ...	0 8 0	L. A. Stapley of Rangoon.	Grammatical rules are given at the beginning of each exercise. This work has been published under the authority of the Director of Public Instruction, North-Western Provinces and Oudh.	26
BOOKS—NON-EDUCATIONAL.									
1879.	Pages.								
Nov. 25th	96	8vo. ...	1st ...	1,200	ditto ...	0 8 0	Hem Chandra Bhattácharja, 55, Amherst Street, Calcutta.	The Juddha Kánda with a Bengali translation.	88
„ 25th	96	8vo. ...	1st ...	1,200	ditto ...	0 8 0	ditto	ditto	89
1880.									
Feb. 10th	96	8vo. ...	1st ...	1,200	ditto ...	0 8 0	ditto	ditto	90
1879.									
Nov. 1st	72	8vo. ...	1st ...	500	ditto ...	0 8 0	Not given	The Bála Kánda	91
1880.									
Jan. 10th	24	8vo. ...	1st ...	500	ditto ...	0 8 0	Káli Prasanna Banerji, 47, Rájá Rájbal-lab's Street, Calcutta.	ditto	92
„ 10th	68	8vo. ...	1st ...	500	ditto ...	0 8 0	ditto	ditto	93
Feb. 6th	121	8vo. rl.	1st ...	2,000	ditto ...	Nil.	Káli Kishor Chakrabarti.	The Ajodhyá Kánda	94
Jan. 5th	80	8vo. ...	1st ...	1,000	ditto ...	0 12 0	Not given	The tenth Skanda	95
„ 5th	80	8vo. ...	1st ...	1,000	ditto ...	0 12 0	ditto	ditto	96
Feb. 6th	52	8vo. ...	1st ...	1,000	ditto ...	0 12 0	ditto	ditto	97
1879.									
Dec. 28th	28	8vo. ...	1st ...	500	ditto ...	0 4 0	ditto	Published on the improved plan announced in the first part—See Catalogue for the 3rd quarter of 1879—Non-educational, Bengali Pamphlet, No. 283.	98

CATALOGUE OF BOOKS for the First

1	2	3	4	5	6	7
Number.	Title (to be translated into English when the title-page is not in that language).	Language in which the book is written.	Name of author, translator, or editor of the book, or any part of it.	Subject.	Place of printing and place of publication.	Name or firm of printer, and name or firm of publisher.
BENGALI AND SANSKRIT BOOKS—						
99	Mahābhāratam. Vol. VIII. No. 83.	Bengali and Sanskrit.	Sridhar Churamani.	Religion, H.	Printed and published at the Alfred Press, Serampore.	Printed by Thākurdās Ghosāl, and published by Umesh Chandra Bhattachārjya.
100	Ditto. Vol. VIII. No. 84.	ditto ...	ditto	ditto	ditto	ditto
101	Mārkandeya Purān. Part VII.	ditto ...	Nakuleswar Bidyābhushan.	ditto	Printed and published at 12, Serpentine Lane, Calcutta.	Printed and published by Rāj Kumār Pāthak.
102	Bhaktirasāmrita Sindhu. The Ocean of the Nectar of Faith. Part I.	ditto ...	Rāmnārāyan Bidyāratna.	ditto	Printed and published at Berhampur.	Printed by Natabar Prāmānik, and published by Rāmnārāyan Bidyāratna.
103	Ditto ditto. Part II.	ditto ...	ditto	ditto	ditto	ditto
104	Ditto ditto. Part III.	ditto ...	ditto	ditto	ditto	ditto
105	Krishnabhakti-rasārnava. The Ocean of Faith in Krishna. Part XVIII.	ditto ...	ditto	ditto	ditto	ditto
106	Ditto ditto. Part XIX.	ditto ...	ditto	ditto	ditto	ditto
107	Padma Purān. Part VIII.	ditto ...	ditto	ditto	ditto	ditto
108	Ditto ditto. Part IX.	ditto ...	ditto	ditto	ditto	ditto
109	Satchakra-nirupana. About the six circles.	ditto ...	Purnānanda Jati.	ditto	Printed and published at 61, Ahiritola Street, Calcutta.	Printed by Gopāl Chandra Mānnā, and published by Rādhāmādhav Sil.
110	Shib-saṁhitā. The Institutes of the religion of Shib.	ditto ...	Nandakumār Kabiratna.	ditto	Printed and published at 99, Ahiritola Street, Calcutta.	Printed and published by Nityalāl Sil.
111	Krishnārchan-kaumudi. The Moonlight of Krishna worship.	ditto ...	Gopāl Chandra Adhwarjju.	ditto	Printed and published at 14, Goābāgān Street, Calcutta.	Printed and published by Gopāl Chandra Dē.
112	Tantrasār. The Essence of the Tantras. Part IV.	ditto ...	Rasik Mohan Chatterji.	ditto	Printed and published at 7, Shib Krishna Dan's Lane, Calcutta.	Printed by Adwaita Charan Ghosh, and published by Rasik Mohan Chatterji.

Quarter ending 31st March 1880—(Continued).

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NON-EDUCATIONAL.—(Continued.)									
1880.	Pages.					Rs. A. P.			
Jan. 26th	80	8vo. rl.	1st ...	700	Printed	0 8 0	Jadu Nāth Set of Serampore.	The Udyoga Parba ...	99
Mar. 2nd	80	8vo. „	1st ...	700	ditto	0 8 0	ditto	ditto	100
Feb. 21st	64	8vo. „	1st ...	1,000	ditto	0 8 0	Kshetra Mohan Dās, Calcutta, and Nakuleswar Bidyāratna, Bhowanipore.	Some mythical history, and precepts for the performance of daily duties, selection of food, &c., by householders.	101
Jan. 21st	48	8vo. „	1st ...	500	ditto	0 6 0	Not given	A popular and authoritative work on the Baishnaba religion. This part contains the portion treating of <i>bhakti</i> and the glories of Krishna. The translation is accompanied by both text and commentary.	102
ditto.	48	8vo. „	1st ...	500	ditto	0 6 0	ditto	The discourse on <i>bhakti</i> is continued, and something is said regarding <i>mukti</i> of various kinds.	103
Feb. 17th	48	8vo. „	1st ...	500	ditto	0 6 0	ditto	Treats of the virtue accruing from the service and worship of Vishnu, from hearing his names and the story of his adventures, &c.	104
Jan. 5th	48	8vo. „	1st ...	500	ditto	0 6 0	ditto	The celebrated Baishnaba work on rhetoric called <i>Ujjalnilmani</i> . In it the loves of Rādhā and Krishna are described in accordance with the rules of rhetoric, or rather, the characteristics of erotic poetry are illustrated by making Krishna the <i>nāyaka</i> and Rādhikā the <i>nāyikā</i> of the narrative. Regarded both as a religious and as a rhetorical work.	105
ditto	48	8vo. „	1st ...	500	ditto	0 6 0	ditto	This part closes the series.	106
Jan. 21st	48	8vo. „	1st ...	500	ditto	0 6 0	ditto	Treats of the manner of worshipping Vishnu; of the greatness of Vishnu as represented by the <i>asvattha</i> tree; of the different rewards attached to the presentation of different objects, such as fruits, flowers, &c., to Vishnu.	107
ditto	48	8vo. „	1st ...	500	ditto	0 6 0	ditto	Goes on in the same strain as the preceding part, addresses a hymn to Mahādeb, and extols the merit of presenting lotuses to Vishnu.	108
1879.									
Nov. 10th	64	8vo. „	Not given.	1,200	ditto	0 8 0	Rādhāmādhav Sil, Aluritolā, Calcutta.	A Tāntric compilation presenting what might be called a metaphysico-physiological view of the structure of man. The human body is represented as consisting of six lotus-like parts forming six different seats of mental and physiological power. The practice of <i>yoga</i> , according to this system, depends upon the acquisition of spiritual power by bringing this peculiar physiological structure under the control of the will.	109
1880.									
Jan. 4th	128	8vo. „	3rd ...	1,000	ditto	0 14 0	Not given	A Tāntric compilation.	110
Feb. 10th	94	12mo. „	1st ...	250	ditto	0 8 0	Gopāl Chandra Adhwarjju of Maliārā.	Treats of Krishna-worship, of the manner of performing it, of the flowers that are most proper for it, of the different flowers to be used in the different months of the year, &c. Compiled from the Purans and Tantras.	111
1879.									
Dec. 22nd	48	4to. „	1st ...	1,000	ditto	1 0 0	Rasik Mohan Chatterji, 7, Shib Krishna Dan's Lane, Calcutta.	Gives the procedure for the worship of <i>Parusha</i> and <i>Sakti</i> .	112

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BENGALI AND SANSKRIT BOOKS—						
113	Matsya Purān. Part XIII.	Bengali and Sanskrit.	Kāli Prasanna Banerji.	Religion H.	Printed and published at 46, Rājā Rājballabh's Street, Calcutta.	Printed by Kāli Prasanna Banerji, and published by Mahima Chandra Bhattachārjya.
114	Ditto. Part XIV	ditto ...	ditto ...	ditto ...	ditto ditto ...	ditto ditto ...
115	Smṛiti Sanhitā. The Institutes of Hindu Law and Religion. Part VII.	ditto ...	Kālībar Vedāntabāgish and Jādab Chandra Rāya.	Law and Religion.	Printed and published at 43-1, Bhabāni Charan Dattā's Lane, Calcutta.	Printed and published by Ramānāth Ghosh.
116	Indrajālādi-sangraha. A Collection of Magical Formulas. Part IV.	ditto ...	Rasik Mohan Chatterji.	Art (Magic, &c.)	Printed and published at 7, Shib Krishna Dan's Lane, Calcutta.	Printed by Adwaita Charan Ghosh, and published by Rasik Mohan Chatterji.
117	Falit Jyotish. Astrology. Vol. II, Part VIII.	ditto ...	ditto ...	Astrology	ditto ditto ...	ditto ditto ...
118	Prasnottarmālā. A Series of Questions and Answers. Part II.	ditto ...	Not given ...	Religion and Philosophy.	Printed and published at the Burdwan Adhirāj Press.	Printed by Purushottam Deb, and published by His Highness the Mahārājā of Burdwan.
119	Bhaisajya Ratnābali. Medical Gems. Part I.	ditto ...	Upendra Chandra Mitra.	Science (Medical H).	Printed at 20, Jhāmāpukar Lane, and published at 337, Chitpur Road, Calcutta.	Printed by Kshetra Mohan Mukherji, and published by Akshay Kumār Rāya & Co.
120	Nidānārtha-prakāśhikā. The explanation of the medical work called Nidān.	ditto ...	Kesab Chandra Rāya.	ditto ...	Printed at 17, Brindāban Basak's Street, and published at 115, Chitpur Road, Calcutta.	Printed by Fakir Chānd Dās, and published by Bishwambhar Lālā.
121	Drabyaguna-darpan. The Mirror of the Properties of Things.	ditto ...	Bishwanāth Mitra.	ditto ...	Printed and published at 118, Chitpur Road, Calcutta.	Printed by Gobinda Chandra Datta, and published by Akshay Kumār Rāya & Co.
122	Bhāgbata-tattwa-bodhikā. Instruction in the truths of Bhāgbata Philosophy. No. 6.	ditto ...	Rāmnrāyana Bidyāratna.	Religion H.	Printed and published at Berhampore.	Printed by Natabar P. mānik, and published by Rāmnrāyana Bidyāratna.
123	Ditto ditto. No. 72 ...	ditto ...	ditto ...	ditto ...	ditto ditto ...	ditto ditto ...
124	Ditto ditto. No. 73 ...	ditto ...	ditto ...	ditto ...	ditto ditto ...	ditto ditto ...
125	Bhāgbata-tattwa Kaumudī. The Moonlight of Bhāgbata Philosophy. Nos. 3 and 4.	ditto ...	Ishān Chandra Basu.	ditto ...	Printed and published at 10, Budhu Ostāgar's Lane, Calcutta.	Printed by Hārān Chandra Sārbabhauma, and published by Ishān Chandra Basu.
126	Kāsikhanda. Treating of Kāshi. Nos. 36, 37, and 38.	ditto ...	Naba Kumār Tarkapanchānan.	ditto ...	Printed and published at the Kāsikhanda Press, Tāliganj, 24-Pergunnahs.	Printed by Rām Kumār Dās, and published by Kāli Krishna Mandal.
127	Tantrasār. Substance of the Tantras. Part V.	ditto ...	Rasik Mohan Chatterji.	ditto ...	Printed and published at 7, Shib Krishna Dan's Lane, Calcutta.	Printed by Adwaita Charan Ghosh, and published by Rasik Mohan Chatterji.
128	Chakradatta. A Hindu Medical Work. Part IV.	ditto ...	Abhayānanda Gupta.	Science (Medical H).	Printed and published at the Kāsikhanda Press, Tāliganj, 24-Pergunnahs.	Printed by Rām Kumār Dās, and published by Abhayānanda Gupta.

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NON-EDUCATIONAL.—(Concluded.)									
1879.	Pages.					Rs. A. P.			
Nov. 26th	48	8vo. ...	1st ...	750	Printed	0 8 0	Kāli Prasanna Banerji, 47, Rājā Rājballabh's Street, Calcutta.	Treats of the performance of <i>śrāddhas</i> at holy places, and gives the mythical history of certain ancient Hindu dynasties, such as the <i>Yādava</i> .	113
1880.									
Jan. 1st	52	8vo. ...	1st ...	750	ditto ...	0 8 0	ditto	Gives the history of the <i>Puru</i> family.	114
1879.									
Nov. 13th	60	12mo. ...	1st ...	500	ditto ...	0 4 0	Jādab Chandra Rāya, 43-1, Bhabāni Charan Datta's Lane, Calcutta.	Contains the institutes of <i>Yājñavalkya</i> , together with the <i>Mitāshara</i> , the chief legal authority in the Benares school.	115
1880.									
Jan. 15th	48	4to. ...	1st ...	1,000	ditto ...	1 0 0	Rasik Mohan Chatterji, 7, Butuni, Dacca.	Gives recipes for controlling supernatural beings, preparing gold, curing diseases, &c.	116
1879.									
Dec. 22nd	56	4to. ...	1st ...	1,000	ditto ...	1 0 0	Rasik Mohan Chatterji, 7, Shib Krishna Dan's Lane, Calcutta.	Rules for determining the fortunes of kings, interpreting the cries of birds and other animals, &c.	117
.....	438	4to. royal	1st ...	100	ditto ...	Nil	His Highness Mahātab Chānd Bābādur of Burdwan.	Some theological and metaphysical questions put by the late Mahārāja of Burdwan to the Pandits of Bengal, together with the answers returned by the latter.	118
1880.									
Feb. 15th	376	8vo. ...	1st ...	1,000	ditto ...	3 0 0	Akshay Kumār Rāya & Co., 337, Chitpur Road, Calcutta.	An old treatise on Hindu medicine with a Bengali translation. This part gives the treatment of fever, diarrhoea, piles, worms, jaundice, phthisis, &c., and the processes for the preparation of drugs, oils, and ointments.	119
1879.									
Dec. 29th	256	8vo. ...	3rd ...	1,300	ditto ...	0 10 0	Bishwambhar Lāhā, 333, Chitpur Road, Calcutta.	The <i>Nidān</i> is a well-known Sanskrit work on medicine.	120
1880.									
Jan. 14th	106	12mo. ...	1st ...	1,000	ditto ...	0 14 0	Akshay Kumār Rāya & Co., 118, Chitpur Road, Calcutta.	A work on the medical properties of things compiled from a Sanskrit treatise called <i>Rājballabh</i> . Among the things analysed are many that are ordinarily eaten by the people of this country.	121
Mar. 11th	80	8vo. ...	2nd ...	400	ditto ...	0 8 0	Not given	The second <i>skanda</i> with commentary and translation.	122
" 11th	80	8vo. ...	1st ...	1,000	ditto ...	0 12 0	ditto	The eleventh <i>skanda</i> similarly given.	123
" 22nd	80	8vo. ...	1st ...	1,000	ditto ...	0 12 0	ditto	ditto	124
" 1st	48	8vo. ...	1st ...	500	ditto ...	0 7 0	ditto	The first <i>skanda</i> with commentary and a Bengali metrical translation.	125
1879.									
Sept. 13th	120	8vo. ...	1st ...	500	ditto ...	0 15 0	Kāli Krishna Mandal, Bawali, 24-Per-gunnahs.	The Pauranic or mythological history of the sacred city of Benares.	126
1880.									
Mar. 15th	48	4to. ...	1st ...	1,000	ditto ...	1 0 0	Rasik Mohan Chatterji, 7, Shib Krishna Dan's Lane, Calcutta.	Gives the procedure for the worship of male and female deities.	127
1879.									
Oct. 13th	80	8vo. ...	1st ...	1,000	ditto ...	0 10 0	Abhayānanda Gupta, Teota, Dacca.	Describes the treatment of consumption, epilepsy, &c., and gives rules for the preparation of medicines.	128

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BENGALI AND SANSKRIT						
129	Sanskrita Byākaran: Upakramanikā. Introduction to Sanskrit Grammar.	Bengali and Sanskrit.	Iswar Chandra Bidyāsagar.	Language (Grammar).	Printed at 62, Amherst Street, and published at 3, Mirzápur Street, Calcutta.	Printed by Pitámbar Banerji, and published by the Sanskrit Press Depository.
130	Byākaran-Kaumudi. The Moonlight of Grammar. Part I.	ditto ..	ditto ..	ditto ..	ditto ditto ...	ditto ditto ...
131	Ditto ditto. Part IV ..	ditto ..	ditto ..	ditto ..	ditto ditto ...	ditto ditto ...
BENGALI AND SANSKRIT						
13	Pátri-parikshá. Rules for the selection of girls for marriage.	Bengali and Sanskrit.	Rádhiká Náth Thákur.	Miscellaneous.	Printed and published at Berhampore.	Printed by Nabin Chandra Chaudhuri, and published by Rádhiká Náth Thákur.
14	Sukástaka. The eight rules or aphorisms of Sukdeb.	ditto ..	Sarat Chandra Dás.	Religion, H.	Printed and published at Andarkilla, Chittagong.	Printed by Chandra Kánte Chakrabarti, and published by Sarat Chandra Dás.
15	Nityakarma. duties. Daily	ditto ..	Not given ..	ditto ..	Printed at 118, and published at 337, Chitpur Road, Calcutta.	Printed by Gobinda Chandra Datta, and published by Akshay Kumár Ráya & Co.
16	Bhaktitattwa-sár. Essence of the Philosophy of Bhakti.	ditto ..	Narottama Dás and others.	ditto ..	Printed at 3, Haripál's Lane, and published at 324, Chitpur Road, Calcutta.	Printed and published by Umesh Chandra Bhattachárjya.
ENGLISH AND SANSKRIT						
6	The Ten Principal Avatáras of the Hindus.	English and Sanskrit.	Saurindra Mohan Thákur.	Fine Art...	Printed at 249, Bowbazar Street, and published at 65, Pathuriághátá Street, Calcutta.	Printed by I. C. Bagu & Co., and published by Saurindra Mohan Thákur.
7	The Eight Principal Rágas of the Hindus.	ditto ..	ditto ..	Art (Music).	ditto ditto ...	ditto ditto ...
ENGLISH AND URDU						
1	New Romanized Dictionary.	English and Urdu.	Maulvi Abdul Waḥdud.	Language (Dictionary).	Printed and published at the Tamahara Press, Serampore.	Printed by Braja Mohan Sen, and published by Shalk Brother & Co.

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BOOKS,—EDUCATIONAL.									
1879.	Pages.					Rs. A. P.			
Dec. 17th	141	12mo. ...	26th...	5,000	Printed	0 8 0	Iswar Chandra Bidyāsagar, 25, Brindāban Mallik's Lane, Calcutta.	A very popular elementary Sanskrit grammar.	129
Nov. 15th	115	12mo. ...	14th...	1,000	ditto ...	0 8 0	ditto	.....	130
1880.									
Jan. 24th	168	12mo. ...	5th ...	10,000	ditto ...	1 0 0	ditto	.....	131
PAMPHLETS—NON-EDUCATIONAL.									
1880.	Pages.								
Jan. 28th	66	8vo. ...	1st ...	500	Printed	0 8 0	Not given	A large collection of texts from Manu, Raghunandan, and other authorities on Hindu Law and Dharma Shastra stating the	13
points to be attended to in selecting girls for marriage. These embrace social position, family status, bodily contour, form and appearance of different parts of the body, the principle of consanguinity, &c. The most curious part of the exposition is that which relates to the form of a woman's body as indicative of her disposition and luck.									
Feb. 12th	7	12mo. ...	1st ...	500	ditto ...	0 1 0	Sarat Chandra Dās, Dhalghat, Chittagong.	Eight rules or aphorisms of the sage Sukdeb, explaining how a man may live in the phenomenal world or in the world	14
of māyā, and yet be above its influences, or in complete harmony with the purely spiritual world. Law and Shāstra, says the sage, do not touch or affect the man who lives such a life.									
1879.									
Nov. 24th	21	8vo. ...	1st ...	1,000	ditto ...	0 2 0	Akshay Kumār Rāya & Co., 337, Chitpur Road, Calcutta.	The daily religious routine of an orthodox Hindu, including ablutions, hymns, prayers, offerings to the spirits of ancestors, &c.	15
" 3rd	60	12mo. ...	1st ...	1,000	ditto ...	0 4 6	Umesh Chandra Bhattachārjya, 324, Chitpur Road, Calcutta.	A collection of Baishnaba works extolling the religion of Krishna and the virtues of his great apostle Chaitanya. Intended evidently for orthodox readers.	16
BOOKS—NON-EDUCATIONAL									
1879.									
Dec. 29th	167	4to. ...	1st ...	500	Printed and lithographed.	Nil	Saurindra Mohan Thākur, 65, Pathuriaghātā Street, Calcutta.	"With a short history of each incarnation, and directions for the representation of the <i>mar-tis</i> as <i>tableaux vivants</i> ."	6
Oct. 20th	162	4to. ...	1st ...	500	ditto ...	Nil	ditto	"With <i>murtis</i> and <i>vrindaka</i> , or <i>tableaux</i> and dramatic pieces, illustrating their character." Gives much information regarding the Hindu stage and drama.	7
BOOK—EDUCATIONAL									
1879.									
Dec. 17th	287	16mo. r.l.	2nd ...	3,000	Printed	1 8 0	Maulvi Abdul Wadud, of Chittagong.	A dictionary of English words with Urdu meanings in the Roman character.	1

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TRI-LIN BENGALI, ENGLISH, AND SANSKRIT						
5	Prakritinirnaya Abhidhāna; or, an Illustrated and Comprehensive Dictionary of the Bengali Language.	Bengali, English, and Sanskrit.	Durgā Charan Banerji and Purna Chandra Chakrabarti.	Language (dictionary).	Printed and published at 22, Jhāmāpukar Lane, Calcutta.	Printed by Baradā Prasād Majumdār, and published by Baradā Prasād Majumdār and Balarām Pāl.
6	Subjects appointed for the First Examination in Arts in Sanskrit.	ditto	Nilmani Mukherji, M.A., B.L.	Literature	Printed and published at 8, Dixon's Lane, Calcutta.	Printed by Bihārīlāl Chakrabarti, and published by Shashibhusan Chatterji.
ENGLISH, HINDI, AND URDU						
1	The Improvement of Knowledge.	English, Hindi, and Urdu.	Zamurrad Lāl	Language	Printed and published at the Behar Bandhu Press, Bānkipur.	Printed and published by Sādhorām Bhatt.
PĀLI, PRĀKRIT, AND SANSKRIT						
2	Agam Sangraha. Sacred Compilation.	Pāli, Prākrit, and Sanskrit.	Edited by Satyabrata Sāmasrami.	Religion. H.	Printed at 16, Ghosh's Lane, Calcutta, and published at Murshidābād.	Printed and published by Satyabrata Sāmasrami.
QUADEI-LIN HINDI, PĀLI, PRĀKRIT, AND						
1	Ratna Sāgara. The Ocean of Gems. Part I.	Hindi, Pāli, Prākrit, and Sanskrit.	Pandit Mukti-kamal.	Miscellaneous.	Printed at 14, Goābāgān Street, and published at Barabāzār, Calcutta.	Printed by Gopal Chandra De, and published by the Editor.
BENGALI PERIODICALS—						
117	Bhārati. A Monthly Review. No. 7.	Bengali. Vol. III.	Dwijendra Nāth Thākur.	Miscellaneous.	Printed at 21, Bowbazar Street, and published at 6, Dwārakā Nāth Thākur's Lane, Calcutta.	Printed by G. P. Rāya and Co., and published by Prasanna Kumār Biswās.
118	Ditto ditto. Vol. III. No. 8.	ditto	ditto	ditto	Printed at the Adi Brāhma Samāj Press, and published at 6, Dwārakā Nāth Thākur's Lane, Calcutta.	Printed by Kālidās Chakrabarti, and published by Prasanna Kumār Biswās.

Quarter ending 31st March 1880—(Continued).

8	9	10	11	12	13	14	15	16	17
Date of issue from the press, or place of publication.	Number of sheets, leaves, or pages.	Size.	First, second, or other edition.	Number of copies of which the edition consists.	Printed or lithographed.	Price at which the book is sold to the public.	Name and residence of proprietor of copyright, or any portion of it.	REMARKS.	Number
GUALS.									
BOOKS—EDUCATIONAL.									
1880.	Pages.					Rs. A. P.			
Jan. 8th	1,230	8vo.	1st	1,000	Printed	4 0 0	Balarám Pál of Syámbázár, and Baradá Prasád Majumdár, 22, Jhámápukar Lane, Calcutta.	Containing all the words current in the language, relating to literature, science, arts, and the ordinary affairs of life, of the Sanskrit, Arabic, Persian, and Vernacular origin, with their various roots and forms of derivation, and different and copious meanings, with illustrations from both the ancient and the modern Sanskrit writers and poets." The dictionary includes many words of provincial application and rustic usage not found in other works of its kind.	5
Feb. 8th	875	8vo.	2nd	1,000	ditto	5 0 0	Nilmani Mukherji, M.A., B.L., of Dhákuriá.	The first eight cantos of Raghuvansa and the first five cantos of Bhattikábya, with notes, commentaries, &c. The publisher says: "In addition to what was included in the first edition, the present one comprises a Bengali translation and a Sanskrit paraphrase of the entire text, together with the conjugations of verbs found therein. By far the most important portion of the present edition, however, is the English translation of the Raghuvansa." In the preface the editor discusses the age and authorship of Bhattikábya. He thinks it was written by Bhartrihari.	6
PAMPHLET—EDUCATIONAL.									
1880.	Pages.								
Jan. 22nd	60	Dy. 12mo.	2nd	1,000	ditto	0 4 0	Zamurrad Lál, of Patna City.	English names of things, parts of the human body, &c., with their corresponding names in Hindi and Urdu. Small sentences and forms of expression in ordinary use in business and domestic life are also similarly rendered.	1
BOOKS—NON-EDUCATIONAL.									
1880.	Pages.								
Feb. 9th	368	8vo.	1st	1,010	ditto	12 0 0	Dhanapat Sinha, Ráya Bahádúr, of Azimganj.	Various matters of interest pertaining to the Jaina religion.	3
GUAL BOOKS.									
SANSKRIT BOOK—NON-EDUCATIONAL.									
1879.	Pages.								
Nov. 15th	608	8vo.	1st	1,000	ditto	21 0 0	Pandit Muktikamal, Barabázár, Calcutta.	A repertory of information, grammatical, moral, religious, &c., for the followers of the Jaina religion. Compiled from numerous ancient works.	1
NON-EDUCATIONAL.									
1879.									
Nov. 1st	48	8vo.	1st	700	ditto	0 4 0	Dwijendra Náth Thákur, 6, Dwáráká Náth Thákur's Lane, Calcutta.	The article on Udayanáchárjya is concluded. The Bengali traveller in England continues writing on English female life and manners and comparing them with the manners of Hindu women—a comparison, which, though not in all particulars, yet still in the main, ends in favour of the former. The "Editor's table" contains Bengali translations of some Irish and Welsh songs; and a paper on the English constitution gives an elementary exposition of that subject.	117
" 30th	48	8vo.	1st	700	ditto	0 4 0	ditto	The Bengali traveller goes on writing in the same strain as before. The metaphysical essay on "Nature and her Fundamental Laws" is continued. A critique on Kálidás's Sakuntalá is begun. A paper entitled "Geometry in a new form" bases that science upon definitions different from those of Euclid.	118

CATALOGUE OF PERIODICALS for the First

1	2	3	4	5	6	7
Number.	Title (to be translated into English when the title-page is not in that language).	Language in which the book is written.	Name of author, translator, or editor of the book, or any part of it.	Subject.	Place of printing and place of publication.	Name or firm of printer, and name or firm of publisher.
BENGALI PERIODICALS—						
119	Bhāratī. A Monthly Review. Vol. III. No. 9.	Bengali	Dwijendra Nāth Thākur.	Miscellaneous.	Printed at the Adi Brāhma Samāj Press, and published at 6. Dwārakā Nāth Thākur's Lane, Calcutta.	Printed by Kālīdās Chakrabarti and published by Prasanna Kumār Biswās.
120	Ditto ditto. Vol. III. No. 10.	ditto	ditto	ditto	ditto ditto	ditto ditto
121	Ditto ditto. Vol. III. No. 11.	ditto	ditto	ditto	ditto ditto	ditto ditto
122	Binā. A Monthly Paper. Vol. II. No. 7.	ditto	Rāj Krishna Rāya.	ditto	Printed and published at 46. Subhārāyan Dās's Lane, Calcutta.	Printed and published by Ashutosh Ghosh and Co.
123	Ditto ditto. Vol. II. Nos. 8 and 9.	ditto	ditto	ditto	ditto ditto	ditto ditto
124	Bāndhaba. The Friend. A Monthly Journal. Vol. IV. No. 12.	ditto	Kālī Prasanna Ghosh.	ditto	Printed and published at the Dacca Girish Press.	Printed and published by Munshi Maulā Buksh.
125	Kalpadruma. A Monthly Paper. Vol. II. No. 1.	ditto	Pandit Dwārakā Nāth Bidyābhūsan.	Miscellaneous.	Printed and published at 10, Budhu Ostāgar's Lane, Calcutta.	Printed and published by Hārān Chandra Sārba- bhūma.
sical degeneracy of Bengalis is considered by a writer on that subject to be due to an insufficient food-land and the slaughter of cattle for food, increased uncleanness arising from want of respect for the old India are continued.						
126	Ditto ditto. Vol. II. No. 2.	ditto	ditto	ditto	ditto ditto	ditto ditto
been intended to be a carnivorous animal, he would have been, like carnivorous beasts and birds, provided with for food during the night. There are other arguments in addition to this. The writer of a paper, which because their authors do not know Sanskrit. Manu and the Sāṅkhya Darśan are continued.						
127	Ditto ditto. Vol. II. No. 3.	ditto	ditto	ditto	ditto ditto	ditto ditto
128	Ditto ditto. Vol. II. No. 4.	ditto	ditto	ditto	ditto ditto	ditto ditto
129	Ditto ditto. Vol. II. No. 5.	ditto	ditto	ditto	ditto ditto	ditto ditto
130	Kalpanā Latikā. Creeper of Fancy. A Monthly Journal. Vol. I. No. 2.	ditto	Gopāl Chandra Datta.	ditto	Printed and published at the Oriental Press, 11, Kālighāt Road, Bhowanipore.	Printed and published by Baradā Kānta Bidyāratna.

Quarter ending 31st March 1880—(Continued).

8.	9.	10.	11.	12.	13.	14.	15.	16.	17.
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NON-EDUCATIONAL.—(Continued.)									
1879.	Pages.					Rs. A. P.			
Dec. 29th	48	8vo.	1st	700	Printed	0 4 0	Dwijendra Nāth Thākur, G. Dwārakā Nāth Thākur's Lane, Calcutta.	The papers on Sakuntalā and geometry are continued; the Bengali traveller in England contrasts the free and convivial manners of the English people with the restrained ceremoniousness of his own countrymen; the writer of a paper on the Bhatti Kābya discusses the question of its authorship, his opinion being that it was written by Bhartihari.	119
1880.									
Jan. 28th	48	8vo.	1st	600	ditto	0 4 0	ditto	The papers on Sakuntalā and Bhatti are continued; another paper is begun, attacking the writer of the previous papers on Sakuntalā.	120
Feb. 20th	48	8vo.	1st	600	ditto	0 4 0	ditto	Contains a paper on the Sanskrit lexicographer Purushottama; another on Sakuntalā; a third comparing Sakuntalā with some of Shakspeare's female characters, &c.	121
" 10th	48	16mo.	1st	500	ditto	0 6 0	Ashutosh Ghosh and Co., 46, Shalmārāyan Dās's Lane, Calcutta.	A poetical periodical. The present number contains some pieces on the Durgā Pujā festival in which much grief is expressed for the loss of India's past glory and present subject condition. There are also some reviews of Bengali books in prose.	122
" 24th	96	16mo.	1st	500	ditto	0 12 0	ditto	Contains several poetical pieces, in one of which the martial aspiration of some Bengali writers is strongly ridiculed.	123
" 1st	48	8vo.	1st	1,250	ditto	0 8 0	Not given	A paper on infant education in Bengal based on Herbert Spencer's treatise; another on the history of Jeypore; a third on Spanish civilization, &c.	124
1879.									
Nov. 20th	64	8vo.	1st	1,000	ditto	0 8 0	Pandit Dwārakā Nāth Balyābhūsan or Chāragipotā	In this and the four following numbers of this periodical appears an essay on ancient Hindu civilisation based upon Kālidās's Sakuntalā. The play supply arising from the exportation of rice, an insufficient supply of milk arising from the reduction of pasture Shastras, &c. The translation of Manu and the Sūnkhyā Darsan and the paper on English commerce in	125
Dec. 14th	64	8vo.	1st	1,000	ditto	0 8 0	ditto	The writer of a paper who is opposed to the use of any offensive weapons of the nature of beaks, claws, or talons, and, like them, he would have felt disposed to work is evidently intended to be a humorous sketch, is of opinion that most modern Bengali compositions are unreadable	126
1880.									
Jan. 5th	64	8vo.	1st	1,000	ditto	0 8 0	ditto	Besides the usual papers, the present number contains some humorous pieces.	127
Feb. 20th	64	8vo.	1st	1,000	ditto	0 8 0	ditto	Of the same nature as the preceding number.	128
Mar. 5th	64	8vo.	1st	1,000	ditto	0 8 0	ditto	Besides the usual papers, there is one on Ballansen, showing the absurdity of regarding the syllable sen as a caste designation; another on the topography and mythology of Hardwar and its neighbourhood; and a third on the theory of natural selection.	129
1879.									
Sept. 24th	24	12mo. Dy.	1st	1,000	ditto	0 1 6	Gopāl Chandra Datta, Bhowanipore.	The tale and the poem begun in the first number are continued. It would seem to be the purpose of this periodical to deal only with imaginative literature.	130

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BENGALI PERIODICALS—						
131	Kalpanā Latikā. Creeper of Fancy. A Monthly Journal. Vol. I. No. 3.	Bengali	Gopal Chandra Datta.	Miscellaneous.	Printed and published at the Sudhākara Press, 44, Russa Road, Bhowanipore.	Printed and published by Umesh Chandra Nandi.
132	Ditto ditto ditto. Vol. I. No. 4.	ditto	ditto	ditto	ditto ditto	ditto ditto
133	Bhārata Darpan. The Indian Mirror. Vol. I. No. 1.	ditto	Tāraka Nāth Bishnu.	ditto	Printed at 43-1, Bhabāni, Charan Datta's Lane, and published at the Patuatola Friends' Club	Printed by Ramā Nāth Ghosh, and published by Tāraka Nāth Bishnu.
134	Ditto ditto. Vol. I. No. 2	ditto	ditto	ditto	Printed and published at 43-1, Bhabāni Charan Datta's Lane, Calcutta.	ditto ditto
135	Jyotiranga. The Glow-worm. Vol. XI. No. 3.	ditto	Rev. G. H. Rouse, Con-venor.	ditto	Printed at 9, Rām Mohan Datta's Road, Bhowanipore, and published at 23, Chauringhi Road, Calcutta.	Printed by Braja Mādhav Basu, and published by the Tract and Book Society.
136	Chintā. Thought. A Weekly Paper. No. 1.	ditto	Bhudhara Chatterji.	ditto	Printed at 309, Bowbazar Street, and published at 1, Mirzāpur Street, Calcutta.	Printed by G. C. Bose & Co., and published by Bhudhara Chatterji.
137	Ditto ditto. No. 2	ditto	ditto	ditto	ditto ditto	ditto ditto
138	Abhās. Glimpse. No. 1	ditto	Bhuban Mohan Banerji.	ditto	Printed and published at 24, Girish Bidyāratnā's Lane, Calcutta.	Printed by Harish Chandra Kabiratna, and published by Bhuban Mohan Banerji.
139	Hitaishi. The Well-Wisher. Vol. II. Nos. 9 and 10.	ditto	Rev. Pyāri Mohan Rudra.	Religion, C.	Printed at 249, Bowbazar Street, and published at 33, Amherst Street, Calcutta.	Printed by I. C. Basu & Co., and published by Rākhāl Dās Sarkār.
140	Ditto ditto. Vol. II. Nos. 11 and 12.	ditto	ditto	ditto	ditto ditto	ditto ditto
141	Māshik Samālochaka. The Monthly Reviewer. Vol. I. Nos. 7 and 8.	ditto	ditto	Miscellaneous.	Printed and published at the Berhampore Arundaya Press.	Printed by Muhammad Hossein, and published by Chandra Sekhara Mukherji.

Quarter ending 31st March 1880—(Continued).

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NON-EDUCATIONAL.—(Continued.)

1879.	Pages.					Rs. A. P.			
Oct. 31st	24	12mo. Dy.	1st ...	500	Printed	0 1 6	Bhudhara Chandra Gānguli, 51, Russa Road, Bhowanipore.		131
Nov. 18th	36	12mo. Dy.	1st ...	500	ditto	0 2 3	ditto	The same subjects as before, together with portions of a poem on a mythological subject (the undressing of Draupadi) and a poem on Bhubaneswara in Orissa.	132
Nov. 30th	4	4to.	1st ...	1,000	ditto	0 0 3	Tāraka Nāth Bishnu, Patuata Lane, Calcutta.	A pice periodical newly started by the members of a Young Men's Association in Calcutta. It proposes to discuss literary, educational, historical, political, scientific, social, and antiquarian subjects. The present number contains two didactic articles, a poem on the present condition of India, which is half lyrical and half political, &c.	133
Dec. 20th	4	4to.	1st	500	ditto	0 0 3	ditto	Of the same nature as the preceding number. Much grief is expressed for the present abject condition of India.	134
Nov. 3rd	8	8vo. double foolscap.	1st ...	1,200	ditto	0 0 3	Traet and Book Society, 23, Charinghi, Road, Calcutta.	Tales, poems, &c., chiefly of a moral and religious character.	135
" 1st	4	8vo.	1st ...	1,000	ditto	0 0 3	Bhudhara Chatterji, Bowbazar, Calcutta.	A new pice periodical. This number consists of a somewhat sentimental description of <i>chintā</i> or anxious meditation.	136
" 8th	4	8vo.	1st ...	500	ditto	0 0 3	ditto	The want of uniformity observable among Bengalis in the matter of dress and other things is the subject dwelt upon in this number, as possessing an important bearing on the question of the Bengali character.	137
1880. Feb. 12th	8	8vo.	1st ...	1,000	ditto	0 0 3	Bhuban Mohan Banerji and Chandra Bhushan Mukerji, both of Kānghāt.	An article in prose describing the mischiefs which English education is producing in this country by destroying in the youthful mind all feeling of veneration for older men; a small poetical piece depicting	139

the social misery and anarchy caused by high prices; and a brief statement of the editor's object in starting this periodical.

1879. Nov. 17th	29	8vo.	1st ...	502	ditto	0 1 0	Pyari Mohan Rudra, 33, Amherst Street, Calcutta.	The most important papers in this number are a discourse on the duties of the Bengali Christian congregation, a review of the state of society at the birth of Christ, and a short memoir of a pious Bengali-Christian lady.	139
1880. Jan. 18th	29	8vo.	1st ...	500	ditto	0 1 0	ditto	Contains, among other papers, a memoir of Dr. Duff which will be continued. A paper on the necessity of reforming Hindu music deserves notice.	140
Feb. 26th	40	8vo.	1st ...	300	ditto	0 12 0	Not given	Contains papers on a variety of subjects. In an essay on the present state of Bengal society, Pandit Iswar Chandra Bidyāsagar is described as a social reformer of a conservative type, Babu Kesab Chandra Sen as a reformer of a radical type, Babu Bankim Chandra Chatterji as a reformer of the æsthetic sense of the community, and Babu Surendra Nāth Banerji as a reformer of society in its political aspect.	141

tive type, Babu Kesab Chandra Sen as a reformer of a radical type, Babu Bankim Chandra Chatterji as a reformer of the æsthetic sense of the community, and Babu Surendra Nāth Banerji as a reformer of society in its political aspect.

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BENGALI PERIODICALS—						
142	Bhārata Bhikharini. The Indian Beggar. Vol. 1. No. 1.	Bengali	Harakumār Mukherji.	Miscellaneous.	Printed and published at the Dacca Girish Press.	Printed and published by Munshi Maulā Buksh.
143	Ditto ditto. Vol. I. No. 2.	ditto	ditto	ditto	ditto ditto	ditto ditto
144	Khristiya Bāndhaba. The Christian Friend. Vol. 1. Nos. 9 and 10.	ditto	Rev. G. Rouse.	H. Religion.	Printed and published at 24, Lower Circular Road, Calcutta.	Printed and published by Rev. G. H. Rouse.
145	Ditto ditto. Vol. I. Nos. 11 and 12.	ditto	ditto	ditto	ditto ditto	ditto ditto
146	Ditto ditto. Vol. II. No. 1.	ditto	ditto	ditto	ditto ditto	ditto ditto
147	Ditto ditto. Vol. II. No. 2.	ditto	ditto	ditto	ditto ditto	ditto ditto
148	Ditto ditto. Vol. II. No. 3.	ditto	ditto	ditto	ditto ditto	ditto ditto
149	Krishitattwa. Art of Agriculture. A monthly journal. Vol. I. Nos. 10 and 11.	ditto	Nitya Gopāl Chatterji.	Art (Agriculture).	Printed and published at the Tamohara Press, Serampore.	Printed by Braj Mohan Sen, and published by Kālī Prasanna Chatterji.
150	Ditto ditto. Vol. I. No. 12.	ditto	ditto	ditto	ditto ditto	ditto ditto
151	Ditto ditto. Vol. II. Nos. 1 and 2.	ditto	ditto	ditto	ditto ditto	ditto ditto
152	Chikitsā Tattwa. A monthly journal of Medicine and Collateral Sciences. Vol. V. Nos. 6, 7, and 8.	ditto	Not given	Science (Medical).	Printed and published at 80, Muktarām Bābū's Street, Calcutta.	Printed by Bholānāth Chatterji, and published by Nrisinha Prasād Rakshit.
153	Kheyāl. Freak. Vol. I. No. 11.	ditto	Nandalāl Rāya	Miscellaneous.	Printed and published at Berhampore.	Printed by Rājkrishna Sinha, and published by Nandalāl Rāya.
154	Ditto ditto. Vol. I. No. 12.	ditto	ditto	ditto	ditto	ditto
155	Ditto ditto. Vol. I. No. 13.	ditto	ditto	ditto	ditto	ditto
156	Ditto ditto. Vol. I. No. 14.	ditto	ditto	ditto	ditto	ditto
157	Ditto ditto. Vol. I. No. 15.	ditto	ditto	ditto	ditto	ditto
158	Ditto ditto. Vol. I. No. 16.	ditto	ditto	ditto	ditto	ditto
159	Ditto ditto. Vol. I. No. 17.	ditto	ditto	ditto	ditto	ditto
160	Ditto ditto. Vol. I. No. 18.	ditto	ditto	ditto	ditto	ditto
161	Ditto ditto. Vol. I. No. 19.	ditto	ditto	ditto	Printed and published at the Dhanasindhu Press, Berhampore.	ditto
162	Banga Darśana. The Bengal Review. A Monthly Magazine. Vol. VI. No. 12.	ditto	Not given	ditto	Printed and published at the Kāntālpārā Banga Darśana Press.	Printed and published by Rādhānāth Banerji.

Quarter ending 31st March 1880—(Continued).

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NON-EDUCATIONAL.—(Continued.)									
1879.	Pages.					Rs. A. P.			
Dec. 25th	16	8vo	1st	300	Printed	0 2 0	Not given	The name of this new periodical indicates its character. Its object is to praise the glories of ancient India and lament its present humiliation. Contains a paper on materialism.	142
1880.									
Feb. 2nd	16	8vo.	1st	300	ditto	0 2 0	ditto	The paper on materialism is continued. Among new papers is one in which the new rent law contained in Act X of 1859 and Act VIII of 1869 (B.C.) is regarded as having disturbed the harmony which existed between zemindar and tenant under the operation of the Cornwallis Code.	143
1879.									
Nov. 18th	32	8vo.	1st	550	ditto	0 2 0	ditto	The usual contents—news, anecdotes, allegorical stories, discourses, reports of meetings, &c.	144
Dec. 16th	32	8vo.	1st	550	ditto	0 1 0	ditto	ditto ditto	145
1880.									
Jan. 5th	24	8vo.	1st	550	ditto	0 1 6	ditto	ditto ditto	146
Feb. 5th	24	8vo.	1st	550	ditto	0 1 6	ditto	ditto ditto	147
Mar. 3rd	24	8vo.	1st	550	ditto	0 1 6	ditto	ditto ditto	148
1879.									
Dec. 14th	32	Dy. 8vo.	1st	300	ditto	0 8 0	Nitya Gopal Chatterji, Pankipara, Calcutta.	Contains papers describing the cultivation of the Indian onion, flax, mulberry, sun-flower, tobacco, foreign herbs, &c.	149
								The dialogue between an agriculturist and his son is continued. The editor regrets the apathy of his countrymen in the cause of agricultural reform.	
1880.									
Jan. 24th	16	Dy. 8vo.	1st	300	ditto	0 4 0	ditto	Besides the usual contents, there is one paper on the necessity of an improved breed of cattle in this country, and another on the decline of Indian agriculture, which is proved, says the writer, by the high prices of agricultural produce now prevailing.	150
Mar. 17th	32	Dy. 8vo.	1st	300	ditto	0 8 0	ditto	The writer of a paper on the agricultural operations of the Government of the North-Western Provinces says that nothing can be expected from the Government of Bengal because it has, by reason of the Permanent Settlement, ceased to feel any interest in the improvement of the soil.	151
Jan. 20th	72	12mo.	1st	300	ditto	0 12 0	Nrisinha Prasād Rakshit.	Treats of several diseases, and contains an interesting article on the subject of bathing.	152
Jan. 26th	8	8vo.	1st	400	ditto	0 0 6	Not given	Tales with moral purposes, humorous and satirical pieces, &c.	153
" 26th	8	8vo.	1st	400	ditto	0 0 6	ditto	ditto	154
" 26th	8	8vo.	1st	400	ditto	0 0 6	ditto	ditto	155
" 26th	8	8vo.	1st	400	ditto	0 0 6	ditto	ditto	156
" 26th	8	8vo.	1st	400	ditto	0 0 6	ditto	ditto	157
" 26th	8	8vo.	1st	400	ditto	0 0 6	ditto	ditto	158
" 26th	8	8vo.	1st	400	ditto	0 0 6	ditto	ditto	159
" 26th	8	8vo.	1st	400	ditto	0 0 6	ditto	ditto	160
Feb. 23rd	8	8vo.	1st	400	ditto	0 0 6	ditto	ditto	161
Mar. 20th	48	8vo. rl.	1st	1,800	ditto	0 8 0	Sanjib Chandra Chatterji, Kankarpára.	The writer of the article on Bengali progress, which is continued in this number, is of opinion that places on the sea-coast enjoy natural facilities for progress which inland districts do not. In support of this position he remarks that the peasantry of Backergunge and other sea-board districts are more spirited and prosperous than the peasantry of the inland districts of Bengal. The writer of another article thinks that the University of Calcutta by making general education compulsory is retarding material progress which depends upon the possession of special talent.	162

CATALOGUE OF PERIODICALS for the First

1	2	3	4	5	6	7
Number.	Title (to be translated into English when the title-page is not in that language).	Language in which the book is written.	Name of author, translator, or editor of the book, or any part of it.	Subject.	Place of printing and place of publication.	Name or firm of printer, and name or firm of publisher.
BENGALI PERIODICALS—						
163	Abalá Bāndhaba. The Woman's Friend. Vol. I. Nos. 7 and 8.	Bengali	Dwārakā Nāth Gānguli.	Miscellaneous.	Printed and published at 93, College Street, Calcutta.	Printed and published by Bhubannmohan Ghosh.
164	Bāmābodhini Patrikā. A Monthly Journal for Women. No. 178.	ditto	Umesh Chandra Datta.	ditto	Printed at 309, Bow Bazar Street, and published at 44, Sitaram Ghosh's Street, Calcutta.	Printed by G. C. Basu & Co., and published by Ashutosh Ghosh & Co.
165	Ditto ditto. No. 179	ditto	ditto	ditto	ditto	Printed by G. C. Basu & Co., and published by the Bāmābodhini Kāryālaya.
166	Ditto ditto. No. 180	ditto	ditto	ditto	ditto	ditto
167	Ditto ditto. No. 181	ditto	ditto	ditto	ditto	Printed by G. C. Basu & Co., and published by Ashutosh Ghosh.
168	Ditto ditto. No. 182	ditto	ditto	ditto	Printed and published at 309, Bow Bazar Street, Calcutta.	ditto
ENGLISH PERIODICALS—						
70	The Bengal Magazine. A Monthly Journal. No. 87.	English	Rev. Lalbihār De.	Miscellaneous.	Printed at 9, Rāmmohān Datta's Road, Bhowānpore, and published at Chinsurah.	Printed by Brajamādhav Basu, and published by Siddheswar Mallik.
71	The Calcutta Review. No. 138.	ditto	James W. Furell.	ditto	Printed and published at 12, Bentinck Street, Calcutta.	Printed and published by T. S. Smith.
72	Ditto ditto. No. 139	ditto	ditto	ditto	ditto ditto	ditto ditto
73	The Oriental Miscellany. No. 8.	ditto	Benimādhav Banerji.	ditto	Printed and published at 19, 20, and 24, Mango Lane, Calcutta.	Printed and published by H. C. Gānguli & Co.
74	Ditto ditto. No. 9	ditto	ditto	ditto	ditto ditto	ditto ditto
75	Ditto ditto. No. 10	ditto	ditto	ditto	Printed and published at 19, Mango Lane, Calcutta.	ditto ditto
76	Ditto ditto. No. 11	ditto	ditto	ditto	ditto ditto	ditto ditto
77	Ditto ditto. No. 12	ditto	ditto	ditto	Printed and published at 19, 20, and 24, Mango Lane, Calcutta.	ditto ditto

Quarter ending 31st March 1880—(Continued).

8	9	10	11	12	13	14	15	16	17
Date of issue from the press, or place of publication.	Number of sheets, leaves, or pages.	Size.	First, second, or other edition.	Number of copies of which the edition consists.	Printed or lithographed.	Price at which the book is sold to the public.	Name and residence of proprietor of copyright, or any portion of it.	REMARKS	Number.
EDUCATIONAL.									
1879.	Pages.					Rs. A. P.			
Nov. 20th	64	8vo.	1st	400	Printed	0 8 0	Dwārkānāth Gānguli, 93, College Street, Calcutta.	This periodical is intended for women, and contains articles on a variety of subjects including cookery. There is one composition by a female in this number.	163
.. 5th	32	8vo.	1st	600	ditto	0 4 0	Umesh Chandra Datta, 14, Sitārām Ghosh's Street, Calcutta.	A well known periodical, which had ceased to appear. It contains stories illustrative of the excellence of the female character; subjects from the natural history of animals; the chemis-	164
try of common things, such as lucifer matches; &c.									
Dec. 2nd	32	8vo.	1st	650	ditto	0 4 0	ditto	ditto	165
1880.									
Jan. 4th	32	8vo.	1st	600	ditto	0 4 0	ditto	ditto	166
Feb. 14th	32	8vo.	1st	600	ditto	0 4 0	ditto	ditto	167
Mar. 2nd	32	8vo.	1st	600	ditto	0 4 0	ditto	ditto	168
NON-EDUCATIONAL.									
1879.	Pages.								
Oct. 28th	42	8vo. dy.	1st	300	Printed	0 12 0	Siddheswar Mallick, Hughli.	The Hindu Family" and "Ram-bhadra," are continued. "Confessions of prisoners and the Bengal Police" is a new article, commenting upon a case of murder decided more than two years ago by the Calcutta High Court.	70
.. 8th	196	8vo.	1st	550	ditto	4 0 0	Thomas S. Smith, Calcutta.		71
1880.									
Jan. 14th	217	8vo.	1st	325	ditto	4 0 0	ditto		72
1879.									
Nov. 1st	40	8vo.	1st	300	ditto	0 8 0	Benimādhāb Banerji of Be- chārām Chat- terji's Lane, Calcutta.	The memoir of Justice Dwārakā Nāth Mitra is continued, and an article is given supporting the Afghan policy of the Government of India.	73
Dec. 3rd	40	8vo.	1st	300	ditto	0 8 0	ditto	Several papers, among which is one in which Colonel Malleeson's history of the Sepoy War is condemned. In another paper the new elective municipality in Calcutta is pronounced a failure; and the writer of a paper on "England and Russia" attacks the Afghan policy of Government.	74
1880.									
Jan. 2nd	40	8vo.	1st	300	ditto	0 8 0	ditto	"How to live for ever" is an article explaining the discovery by a German professor of what he calls the elixir of life.	75
There are two political articles attacking Sir John Strachey and Lord Lytton respectively. "Literary Gossip" gives much interesting literary information.									
Feb. 3rd	40	8vo.	1st	300	ditto	0 8 0	ditto	"Is the world growing melancholy?" is an optimist's review of certain recently-expressed pessimist views of life. "The Duke of Wellington exhumed" is a political article criticising Lord Lytton's speech at Government House on New Year's Day.	76
Mar. 2nd	40	8vo.	1st	300	ditto	0 8 0	ditto	Several papers among which is one entitled "Wanted an epic poet," on the recent resolution of the Government of Bengal on the question of the official dress for natives of this country.	77

CATALOGUE OF PERIODICALS for the First

1	2	3	4	5	6	7
Number.	Title (to be translated into English when the title-page is not in that language).	Language in which the book is written.	Name of author, translator, or editor of the book, or any part of it.	Subject.	Place of printing and place of publication.	Name or firm of printer, and name or firm of publisher.
86	ENGLISH PERIODICALS—					
78	Journal of the Asiatic Society of Bengal, Vol. XLVIII, Part II, No. III. New Series, Vol. XLVIII, No. 228.	English	General Secre- tary of the Society.	Miscellane- ous.	Printed at 24, Lower Cir- cular Road, and publish- ed at 57, Park Street, Calcutta.	Printed by Rev. G. H. Rouse, and published by the Asiatic Society.
79	Journal of the Asiatic Society of Bengal, Vol. XLVIII, Part I, No. III. New Series, Vol. XLVIII, No. 229.	ditto	The Philologi- cal Secretary of the Socie- ty.	ditto	ditto	ditto ditto
80	The Masonic Herald, November 1879.	ditto	W Burroughs	Freema- sonry.	Printed at 249, Bowbazar Street, and published at 12, Wood Street, Cal- cutta.	Printed by I. C. Basu & Co., and published by W. Burroughs.
81	Ditto ditto. Decem- ber 1879.	ditto	ditto	ditto	ditto ditto	ditto ditto
82	Ditto ditto. January 1880.	ditto	ditto	ditto	ditto ditto	ditto ditto
83	Ditto ditto. Febru- ary 1880.	ditto	ditto	ditto	ditto ditto	ditto ditto
84	Ditto ditto. March 1880.	ditto	ditto	ditto	ditto ditto	ditto ditto
85	The Oriental Baptist, Vol. II, No. 8.	ditto	Rev. G. Pearce	Religion, C.	Printed and published at 24, Lower Circular Road, Calcutta.	Printed by Rev. G. H. Rouse, and published by the Baptist Mission So- ciety.
86	Ditto ditto. Vol. II, No. 9.	ditto	ditto	ditto	ditto ditto	ditto ditto
87	Ditto ditto. Vol. II, No. 10.	ditto	ditto	ditto	ditto ditto	Printed by Rev. J. W. Thomas, and published by the Baptist Mission- ary Society.
88	The Theistic Quarterly Review, No. III.	ditto	Pratáp Chandra Majumdar.	Religion, B.	Printed and published at 6, College Square, Cal- cutta.	Printed and published by Manimohan Rakshit.
89	Ditto ditto. No. IV	ditto	ditto	ditto	ditto ditto	Printed and published by Purna Chandra De.
90	The Calcutta Medical News, Vol. I, No. I.	ditto	Rákhdás Ghosh.	Science (medical).	Printed at 43, Chunam Gully, and published at 30-1, Calcutta Street, Calcutta.	Printed by Rásbihári Dhar and published by S. D. Mallik & Co.
91	Ditto ditto. Vol. I, No. II.	ditto	ditto	ditto	ditto ditto	ditto ditto
92	The Legal Companion, Vol. VII, Nos. 9, 10, 11, and 12	ditto	Prasanna Ku- mar Sen.	Law	Printed and published at the Tamohara Press, Serampore.	Printed by Braja Mohan Sen, and published by Prasanna Kumar Sen.
93	Ditto ditto. Vol. VIII, No. I.	ditto	ditto	ditto	Printed and published at 4, Shibtalá Lane, Cal- cutta.	Printed and published by D. E. Craunburgh.
94	Ditto ditto. Vol. VIII, No. II.	ditto	ditto	ditto	ditto ditto	ditto ditto

Quarter ending 31st March 1880—(Continued).

8	9	10	11	12	13	14	15	16	17
Date of issue from the press, or place of publication	Number of sheets, leaves, or pages.	Size.	First, second, or other edition.	Number of copies of which the edition consists.	Printed or litho. graphed.	Price at which the book is sold to the public.	Name and residence of proprietor of copyright, or any portion of it.	REMARKS	Number

NON-EDUCATIONAL—(Continued.)

1879.	Pages.					Rs. A. P.			
Dec. 5th	54	8vo.	1st	700	Printed	2 0 0	Not given		87
Nov. 29th	72	8vo.	1st	700	ditto	2 0 0	ditto	Gives an English translation of a Hindi work describing the history of Hamir, Prince of Ranthambor.	79
Nov. 4th	16	8vo.	1st	126	ditto	1 0 0	W. Burroughs, 12, Wood Street, Calcutta.		80
„ 27th	18	8vo.	1st	124	ditto	1 0 0	ditto		81
1880.									
Jan. 2nd	18	8vo.	1st	124	ditto	1 0 0	ditto		82
Feb. 4th	18	8vo.	1st	124	ditto	1 0 0	ditto		83
Mar. 4th	20	8vo.	1st	149	ditto	1 0 0	ditto		84
1879.									
Nov. 11th	40	8vo.	1st	250	ditto	2 0 0	Not given	Contains, among other papers one on Calvin, dealing chiefly with the great reformer's execution of Servetus.	85
1880									
Jan. 5th	40	8vo.	1st	250	ditto	0 8 0	ditto	Has an interesting paper on Wycliff.	86
Mar. 5th	40	8vo.	1st	250	ditto	0 8 0	ditto		87
1879.									
Oct. 1st	64	8vo.	1st	325	ditto	1 0 0	Pratáp Chandra Majumdar, 73, Upper Circular Road, Calcutta.	The writer of an article on Hindu women discusses their condition and seems to be of opinion that liberty should be now given to them within certain limits. There is another article explaining and defending the change now made in the theological vocabulary of the Bráhma Samáj of India.	88
1880.									
Jan. 24th	71	8vo.	1st	325	ditto	1 0 0	ditto	A paper on "The Personal Influence of K. C. Sen" and a letter from a native gentleman of Bombay on the "Progress and Prospects of the Bráhma Samáj" deserve notice.	89
Feb. 1st	32	8vo.	1st	400	ditto	0 12 0	Rakháldás Ghosh, L.M.S., 30-1, Calcutta Street, Calcutta	A new medical journal. Gives recipes for the preparation of Hindu medicines.	90
Mar. 1st	32	8vo.	1st	250	ditto	0 12 0	ditto	The subject of Hindu medicines is continued.	91
1879									
Dec. 18th	64	8vo. Royal	1st	500	ditto	2 0 0	Prasanna Kumar Sen, of Serampore.	Civil and Criminal Rulings, Acts of the Legislature, &c. Has commenced reprinting Sir William Jones's translation of Manu.	92
1880									
Feb. 15th	70	8vo.	1st	500	ditto	1 0 0	ditto		93
Mar. 18th	70	8vo.	1st	500	ditto	1 0 0	ditto	Contains an article on barristers and pleaders, in which is given a history of the English bar.	94

CATALOGUE OF PERIODICALS for the First

1	2	3	4	5	6	7
Number.	Title (to be translated into English when the title-page is not in that language).	Language in which the book is written.	Name of author, translator, or editor of the book, or any part of it.	Subject.	Place of printing and place of publication.	Name or firm of printing, and name or firm of publisher.
ENGLISH PERIODICALS—						
95	Stray Feathers. Vol. VIII. Nos. 2 to 5.	English	A. O. Hume	Ornithology.	Printed and published at 5, Council House Street, Calcutta.	Printed and published by the Calcutta Central Press Company, Limited.
96	The Indian Forester. A ditto Quarterly Magazine of Forestry. Vol. V. No. III.	A ditto	J. S. Gamble. M.A., F.L.S.	Forestry	ditto	ditto
BI-LINGUAL HINDI AND SANSKRIT						
1	Dharma-niti-tattwa. Religious and Moral Principles. Vol. I. No. 1.	Hindi and Sanskrit	Edited by Hassan Ali.	Philosophy	Printed and published at the Behar Bandhu Press, Bānkipore.	Printed by Śādhorām Bhatt, and published by Hassan Ali.
TRI-LINGUAL BENGALI, HINDI AND SANSKRIT						
7	Dharma-prachāraka. Propagator of Religion and Morality. Part II. No. 22.	The Bengali, Hindi, and Sanskrit	Srikrishna Prasanna Sen.	Religion.	Printed at 22, Jhāmāpukar Lane, Calcutta, and published at Monghyr.	Printed by Baradā Prasad Majumdār, and published by the Arya Dharma Prachārini Sabhā.
8	Ditto ditto. Part II. Nos. 23 and 24.	ditto	ditto	ditto	ditto	ditto
9	Ditto ditto. Part II. No. 25.	ditto	ditto	ditto	ditto	ditto

LIBRARY.

54

Quarter ending 31st March 1880—(Concluded).

8	9	10	11	12	13	14	15	16	17
Date of issue from the press, or place of publication.	Number of sheets, leaves, or pages.	Size.	First, second, or other edition.	Number of copies of which the edition consists.	Printed or lithographed.	Price at which the book is sold to the public.	Name and residence of proprietor of copyright, or any portion of it.	REMARKS	Number

NON-EDUCATIONAL.—(Concluded.)

1879.		Pages.			Rs. A. P.			
Dec.	17th	271	8vo.	...1st ...	400	Printed	8 0 0	A. O. Hume, Allahabad.
1880.								
Feb.	21st	138	8vo.	...1st	300	ditto	3 0 0	W. Schlich, Lahore.

PERIODICAL.

PERIODICAL.—NON-EDUCATIONAL

1880.		Pages.									
Feb.	11th	12	12mo. dy.	1st	500	ditto	0	1	0	Hassan Ali, Patna City.	of A new periodical giving moral and religious instruction of the orthodox sort in Hindi and Sanskrit.

PERIODICALS.

PERIODICALS—NON-EDUCATIONAL

1879.		Pages.						
Dec.	21st	16	4to.	... 1st	500 ditto	0	6	0 Srikrishna Pra- Gives a portion of a work called sanna Sen. of Ramgitā, a description of the Monghyr. mixed castes based upon Manu, together with some letters on the same subject, &c.
,,	22nd	32	4to.	... 1st ...	500 ditto	0	12	0 ditto .. Ramgitā is continued and lec- tures and letters on the sub- ject of the propagation of the old Hindu faith are put in
1880.								
Feb.	1st	16	4to.	... 1st ...	600 ditto	0	6	0 ditto .. Among new papers is one on the duties and occupations of Brāh- mans as prescribed in the Hindu Śāstras.

Number.	1 The title of the book and the contents of the title-page, with a translation into English of such title or contents when the same are not in the English language.	2 The place of printing and the place of publication.	3 The name or firm of the printer, and the name or firm of the publisher.	4 The date of issue from the press, or of the publication.	5 The name and residence of the proprietor of the copyright or of any portion of such copyright.	6 The date on which the entry was registered.
				1879.		1879.
431	Jatila Hastākshara; Asanjukta Barna. Involved handwriting; uncompound letters.	Printed at 145, New Chinabazar, and published at the Samskrit Press Depository, 3, Mirzapore Street, Calcutta.	Printed by Chandra Kumār Mukherji, and published by Jadu Nāth De.	7th November	Jadu Nāth De, 150, Mániktālā Street, Calcutta.	3rd December.
432	Scrap Book. Illustrated with seven mythological Pictures.	Printed at 309, Bowbazar Street, and published at 185, Bowbazar Street, Calcutta.	Printed by G. C. Bose & Co., and published by Bagehi and Friends.	18th "	Bagehi and Friends, 185, Bowbazar Street, Calcutta.	3rd "
433	Parimiti. Mensuration...	Printed and published at 44, Amherst Street, Calcutta.	Printed and published by Behārilāl Banerji.	2nd December	Kshetra Nāth Bhattachārjya, Sukea's Street, Calcutta.	19th "
434	Tamim Golāl o Chattan Chhilal. (Ishknāmā.)	Printed and published at the Dacca Syadi Press.	Printed and published by Mahamad Asgar Hossein.	14th "	Mahomed Asgar Hossein, at present of Agā Fazl Ali's Bazar, Dacca.	15th "
435	Bālya Shikshā. Instruction for Children.	Printed and published at the Calcutta New School Book Press.	Printed and published by B. L. Chakrabarti.	1879	Rām Sundar Basāk of Nawabpur, Dacca.	29th "
436	Bibidha Shikshā. Variety of Instruction.	ditto	ditto	Ditto	ditto	29th "
				1880.		1880.
437	Ingland kā Itihās. History of England.	Printed and published at the Branch Budhodaya Press, Bankipore.	Printed by Nabakumār Banerji, and published by Gobinda Chandra Sinha.	4th January...	Gobinda Chandra Sinha of Bankipore.	5th January.
438	Lakshmishwar Champu. Poem in praise of the Maharaja of Darbhāngā.	Printed and published at 9, Mallik Street, Calcutta.	Printed by Chhatō Lāl Misra, and published by Srinibās Shāstri.	1st "	Ramā Bāi of Gangamul in Mysore.	9th "
439	Prakriti Nirṇaya Abhidhān. A Bengali Dictionary.	Printed and published at 22, Jhamāpukar Lane, Calcutta.	Printed by Baradā Prasād Majumdar, and published by Baradā Prasād Majum-Pāl.	8th "	Baradā Prasād Majumdar and Balarām Pāl, both of Calcutta.	24th "
440	Rāihānūl Korān. The Beautiful Korān.	Printed and published at the Nasim Sahar, Patna City Press, Goozree.	Printed by Sāyyed Wazeer Ally, and published by Sāyyed Ibn Hossein.	17th "	Sāyyed Ibin Hossein of Mahallah Dewan, Patna City.	27th "
441	Bālya Shikshā. Instruction for Children.	Printed and published at the Calcutta New School Book Press.	Printed and published by B. L. Chakrabarti.	January	Rām Sundar Basāk of Nawabpur, Dacca.	29th "
442	Subhankari; or Indigenous Arithmetic in Bengali.	Printed and published at 44, Amherst Street, Calcutta.	Printed and published by Bihārī Lāl Banerji.	18th January...	Kshetra Nāth Bhattachārjya, 70-1, Sukea's Street, Calcutta.	11th February,
				1879.		
443	Nidānārtha Prakasikā. The Explanation of the medical work called Nidān.	Printed at 17, Brindāban Basāk's Street and published at 115, Chitpur Road, Calcutta.	Printed by Fakir Chānd Dās, and published by Bishwambhar Lāhā.	15th December	Bishwambhar Lāhā, 333, Chitpore, Calcutta.	12th "
				1878.		
444	Ayurvedokta Nutan Chikitsā Darsan. The New System of Treatment according to the Ayurved.	Ditto	ditto	4th June	ditto	12th "
445	Nutan Drabyaguna Darsan. The New Mirror of the Properties of things.	Ditto	ditto	9th September	ditto	12th "

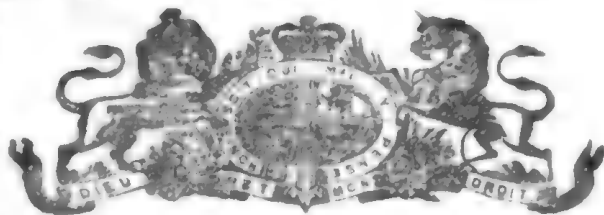
Original Entry of Copyright of Books received during the First Quarter ending 31st March 1880— 91
continued.

Number.	1 The title of the book and the contents of the title-page, with a translation into English of such title or contents when the same are not in the English language.	2 The place of printing and the place of publication.	3 The name of firm of the printer, and the name or firm of the publisher.	4 The date of issue from the press, or of the publication.	5 The name and residence of the proprietor of the copyright or of any portion of such copyright.	6 The date on which the entry was registered.
446	Paramārtha Jnan Ratnākar. The Mine of Religious Knowledge.	Printed at 17, Brindaban Basak's Street, and published at 115, Chitpur Road, Calcutta.	Printed by Fakir Chand Dās, and published by Bishwambhar Lāhā.	1878. 15th May	Bishwambhar Lāhā, 333, Chitpur Road, Calcutta.	1880. 12th February.
447	Prabhās Jajna Nāmak Grantha. The book called the Sacrifice at Prabhās.	Ditto	Printed by Ambikā Charan Chatterji, and published by Bishwambhar Lāhā.	1877. 27th May	ditto	12th ..
448	Prabhās Jajna. Part II. The Sacrifice at Prabhās.	Ditto	ditto	23rd June	ditto	12th ..
449	Bhaishajya Ratna. Medical Gem.	Printed at 317, Chitpur Road, and published at 319, Chitpur Road, Calcutta.	Printed by Kālī Charan Dās and published by Shashi Bhusan Ghosh and Brother.	1879. 17th November	Shashi Bhushan Ghosh and Brother, 317, Chitpur Road, Calcutta.	20th ..
450	Sanskrita Pāth. Part I. Sanskrit Reader.	Printed and published at 24, Grish Bidyaratna's Lane, Calcutta.	Printed by Harish Chandra Kabiratna, and published by Girish Chandra Bidyaratna.	1878. 20th September	Harish Chandra Kabiratna, 24, Grish Bidyaratna's Lane, Calcutta.	21st ..
451	Khawasul Ushyā, i.e. Therapeutics.	Printed and published at the Patna City Press, Goozree.	Printed and published by Sayyed Wazir Ali.	1880. 1st February	Sayyed Wazir Ali, of Goozree, Patna City.	1880. 9th February.
452	Sanskrita Pāth. Part II. Sanskrit Reader.	Printed and published at 24, Girish Bidyaratna's Lane, Calcutta.	Printed by Harish Chandra Kabiratna, and published by Girish Chandra Bidyaratna.	1879. 25th February	Harish Chandra Kabiratna, 24, Girish Bidyaratna's Lane, Calcutta.	21st ..
453	Bhaishajya Ratnābali. Part I. Medical Gems.	Printed at 20, Jhāmāpukar Lane, and published at 337, Chitpur Road, Calcutta.	Printed by Kshetra Mohan Mukherji, and published by Akshaya Kumār Rāya & Co.	1880. 15th February	Akshaya Kumār Rāya & Co., 337, Chitpur Road, Calcutta.	2nd May
454	Phrases and Idioms, containing explanations in English and Bengali.	Printed at 35, Beniatola Lane, and published at 3, Mirzapur Street, Calcutta.	Printed by Bipin Bihārī Rāya and published by the Sanskrit Press Depository.	1879. 17th December	Krishna Chandra Rāya, Amherst Street, Calcutta.	8th ..
455	Brihat Nutan Mahābhārata, Khila Haribansa Parba. New Large Mahābhārata including the Haribansa.	Printed at 17, Brindaban Basak's Street, and published at 115, Chitpur Road, Calcutta.	Printed by Fakir Chand Dās, and published by Bishwambhar Lāhā.	1880. 9th March	Bishwambhar Lāhā, 333, Chitpur Road, Calcutta.	11th ..
456	Life of Mahārājā Naba Krishna Deb Bāhādur.	Printed and published at 249, Bowbazar Street, Calcutta.	Printed by I. C. Bose & Co., and published by Bipin Bihārī Mitra.	1879. 31st December	Bipin Bihārī Mitra of Calcutta.	22nd ..
457	Euklid Kā Jyamiti Tattwa; or, Euclid's Elements of Geometry. Book I. Part I.	Printed and published at the Branch Budhodaya Press, Bankipore.	Printed by Naba Kumār Banerji, and published by Sajiban Lal, B.A.	1880. 10th March	Sajiban Lal, B.A., of Bankipore.	Not given.

No	LANGUAGE.	BOOKS.		PAMPHLETS.		Total.
		Non-educational.	Educational.	Non-educational.	Educational.	
UNI-LINGUALS.						
1	Arabic ...				1	1
2	Assamese ...		1	1	1	3
3	Bengali ...	60	31	120	89	300
4	English ...	11	11	14	8	44
5	Hindi ...	7	1	6	4	18
6	Musulmání-Bengali ...	8		19		21
7	Persian ...	1			2	3
8	Sanskrit ...	5	3	6		16
9	Urdu ...		1	4		5
10	Uriya ...	1		3	5	9
Total Uni-linguals ...		93	48	169	110	420
BI-LINGUALS.						
1	Bengali and English ...		6		7	13
2	Bengali and Sanskrit ...	41	3	4		48
3	English and Sanskrit ...	2				2
4	English and Urdu ...		1			1
Total Bi-linguals ...		43	10	4	7	64
TRI-LINGUALS.						
1	Bengali, English, and Sanskrit ...		2			2
2	English, Hindi, and Urdu ...				1	1
3	Páli, Prákrit, and Sanskrit ...	1				1
Total Tri-linguals ...		1	2		1	4
QUADRI-LINGUALS.						
1	Hindi, Páli, Prákrit, and Sanskrit ...	1				1
Total Quadri-linguals ...		1				1
UNI-LINGUAL PERIODICALS.						
1	Bengali Periodicals ...	52				52
2	English Periodicals ...	27				27
Total Uni-lingual Periodicals ...		79				79
BI-LINGUAL PERIODICALS.						
1	Hindi and Sanskrit Periodicals ...	1				1
Total Bi-lingual Periodicals ...		1				1
TRI-LINGUAL PERIODICALS.						
1	Bengali, Hindi, and Sanskrit Periodicals ...	3				3
Total Tri-lingual Periodicals ...		3				3
Grand Total of Books, &c. ...		221	69	173	118	572

CHUNDER NATH BOSE,

Librarian of the Bengal Library and Keeper of the Catalogue
of Books under Section 18, Act XXV of 1867.



The Calcutta Gazette

EXTRAORDINARY.

MONDAY, APRIL 12, 1880.

Government of Bengal.

NOTIFICATION.

The 12th April 1880.—It is notified for general information that His Honor the Lieutenant-Governor of Bengal will leave Calcutta (Sealdah Station) for Darjeeling at 4-45 p.m., on Tuesday, the 13th instant.

By order of the Lieutenant-Governor of Bengal,

HORACE A. COCKERELL,
Secretary to the Government of Bengal.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JANUARY 7, 1880.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 3rd January 1880.

No.	District, and date of return	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.			
<i>Western Districts.</i>			
BURDWAN DIV.	1 Burdwan, Jan. 3 '80	Nil	Weather—seasonable. Late rice nearly all cut. Outturn will be good in Culna and Cutwa sub-divisions; fair in Raneegunge; not good in Sudder sub-division. Prospects of cold-weather crops fair. A few deaths from cholera in Cutwa. Fever still lingers in Culna.
	2 Bankoora, „ 3 „	0.04	Weather—warm in early part of week, but latterly cloudy. Harvesting of winter rice completed; outturn fair. Rubbeo doing well. New common rice 15 to 22 seers per rupee. Public health good, but cholera and small-pox still in Bishenpore sub-division, and a few isolated cases cholera in Bankoora town.
	3 Heerbhoom, „ 3 „	0.01	Amra harvest nearly complete. Rubbeo crops on ground in good condition, except sugarcane. A good deal of cholera still about.
	4 Midnapore, „ 3 „	0.08	Weather—cloudy and cold. Reaping nearly finished with not unsatisfactory results.
	5 Hooghly, „ 3 „	Nil	Weather—very cold and cloudy. Prospects of winter crops good. Fever abated. Cases of small-pox and cholera in sub-division Serampore, and cholera in station Singoor.
	Howrah, „ 5 „	Nil	Weather—seasonable. Rice harvest going on rapidly. Other crops favorable. Prices falling.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health as data.
BENGAL.—(Continued.)			
<i>Central Districts.</i>			
PRESIDENT DIV.	6 24-Pergunnahs, Jan. 3 '80	Nil	Weather—cold. Prospects of <i>amun</i> and winter crops good. <i>Amun</i> harvesting nearly over. Public health generally good. Some cases of cholera reported from Diamond Harbour.
	7 Nuddea, „ 3 „	Nil	Weather—cold and fine, except two days which have been cloudy. <i>Amun</i> gathered. <i>Kalai</i> and <i>mugg</i> being cut; outturn good. Rain required for wheat, oats, and other coming crops.
	8 Jessore, „ 3 „	Nil	Weather—cold, and during latter part of week cloudy. Rain apparently threatening. <i>Amun</i> nearly harvested, with good outturn. Prospects of winter crops at present good. Many cases of cholera still in Magoorah and Bagirhat sub-divisions; sporadic cases in other parts of district.
	9 Moorsshedabad, „ 3 „	Nil	Weather—cloudy; cold nights. <i>Rubbee</i> crops doing well. Fever still prevalent in thana Burwa. Cholera still in Berhampore town.
RAJSHAHY AND COCH BEHAR DIV.	10 Dinagepore, Jan. 2 '80	Nil	Weather—cold; no rain. Three-fourths of winter rice harvested. Prospects of <i>rubbee</i> sowings good.
	11 Rajshahye, „ 3 „	Nil	Weather—raining slightly at close of week. Cutting of <i>amun</i> fast proceeding; outturn above an average. Spring crops thriving. Harvesting of <i>mashkalai</i> commenced. Common rice 16 seers per rupee.
	12 Rungpore, „ 2 „	Nil	Weather—cold. State and prospects of crops satisfactory. Public health good.
	Gaibanda „ „	0.21	
	Bagdogra „ „	0.12	
	13 Bogra, „ 3 „	0.27	Weather—chilly and cloudy. State and prospects of crops very good. Some rain on night of 2nd, which will be beneficial to <i>rubbee</i> crops.
	14 Pubna, „ 3 „	0.05	Weather—fine; cloudy at times. Winter rice cut. Spring crops doing well. Public health fair; cholera abated.
	15 Darjeeling, „ 3 „	0.23	Weather—cloudy at beginning of week, last three days clear and bright. Nearly three-fourths of <i>haimanti dhan</i> gathered in. Mustard, <i>til</i> , wheat and barley doing well and prospects good.
DACCA DIV.	16 Julpigoree, „ 3 „	0.04	Weather—generally cold, and foggy in mornings and evenings. About 12 annas of <i>haimanti</i> reaped. Winter crops progressing favorably. In Alipore sub-division a little rain now would do no harm.
	Cooch Behar, „ 1 „	0.12	Weather—very cold. Three days of week cloudy. Slight rain on 28th and 29th. Late rice being still cut. Rain done good to all standing cold-weather crops, prospects of which satisfactory. Small-pox broken out in some places.
	Dinbatta „ „	A few drops.	
	Meckligunge „ „	„	
<i>Eastern Districts.</i>			
DACCA DIV.	17 Dacca, Jan. 3 '80	Nil	Weather—cold. State and prospects of crops good. <i>Kalai</i> being gathered and <i>amun</i> nearly all reaped.
	18 Furreedpore, „ 4 „	Nil	Weather—seasonable. Crops good. Health much improved.
	19 Backergunge, „ 1 „	Nil	Weather—fair and bright. About three-fourths of <i>amun</i> now cut. New rice 14 to 18 seers a rupee. Sporadic cases of cholera in several thanas.
	20 Mymensingh, „ 2 „	Nil	Weather—seasonable. Crops all good.
	21 Tipperah, „ 2 „	Nil	Weather—fair. Nearly whole of <i>amun</i> reaped. Sugarcane, mustard, and other winter crops promise well.
CHITTAGONG DIV.	22 Chittagong, Jan. 6 '80	0.85	Weather—cloudy from Friday (2nd); to-day (6th) fair. <i>Amun</i> damaged to some extent by rain. Cold-weather crops doing well. Cholera still prevailing in south.
	23 Noakholly, „ 2 „	Nil	Weather—very cold. Mornings very foggy. Reaping of <i>amun</i> continues. Winter crops progressing well. Public health good.
	24 Chittagong Hill Tracts, Dec. 30 '79	Nil	Weather—seasonable. Very cold throughout week. Foggy up to 9 o'clock in morning. Gathering of <i>amun</i> still continues. Prospects of mustard and other cold-weather crops good.
	Hill Tipperah, „ 31 '79	Nil	Weather—seasonable. <i>Amun</i> nearly harvested. Cold-weather crops doing well. Public health good.

No.	District, and date of return.	Rainfall at Sadler Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.			
PATNA DIV.	25 Patna, Jan. 3 '80	Nil	Weather—seasonable. Prospects favorable, but rain would now do good to <i>rubbee</i> .
	26 Gya, „ 3 „	Nil	Weather—cold. Maximum reading in shade 83°. <i>Aghani dhan</i> being cut. A full 16-anna crop in Jehanabad sub-division. A good shower of rain required for <i>rubbee</i> . Health of plough-cattle good. Public health generally good.
	27 Shehabad, „ 3 „	Nil	Weather—cloudy, with light west wind. Prospects of <i>rubbee</i> promising. A little rain will materially benefit standing crops. Harvesting of <i>aghani</i> rice still proceeding. Pressing of sugarcane going forward. Public health good.
	28 Durbhunga, „ 3 „	Nil	Weather—cloudy and seasonable. <i>Aghani dhan</i> coming into market. In places harvesting completed. <i>Rubbee</i> continues favorable, but a little rain will do much good. Prices rising. Public health good.
	29 Mozufferpore, „ 2 „ Sectamurhee	Nil 0.15	Weather—cold and fine. Outturn of rice crop very good. <i>Rubbee</i> promising. Public health good.
	30 Saran, „ 3 „	Nil	Weather—seasonably cold, and cloudy at times. East and west wind. <i>Rahur</i> , peas, wheat, barley, sugarcane, gram and cotton good. Sugarcane being cut and put into mills. Rain much wanted for <i>rubbee</i> crops. In some places they are irrigated. Prices stationary. Public health good.
BRISFORD DIVISION.	31 Champaran, „ 3 „	0.1	East wind and rain on Sunday, 28th December; afterwards fine and cool. Crops all very good. Health better.
	32 Monghyr, Jan. 3 „	Nil	Weather—cloudy, and rain threatening. Prospects of crops continue good. A little rain would be beneficial.
	33 Bhagulpore, „ 3 „	Nil	Weather—seasonably cold, and cloudy at times. Harvesting of paddy nearly completed with good outturn. Prospects of <i>rubbee</i> crops good. Public health excellent.
	34 Purneah, „ 3 „	Nil	Weather—seasonable. A little rain in north. State and prospects of crops everywhere good.
	35 Maldah, „ 3 „	0.08	Weather—colder, and latterly cloudy. A few drops of rain last night. Crops being harvested. Coarse rice 18 seers per rupee. Public health good throughout district.
	36 Southal Perga, „ 4 „	Nil	Weather—cloudy at times; warmer than usual. <i>Dhan</i> harvest progressing favorably.
ORISSA.			
ORISSA DIV.	37 Cuttack, Jan. 3 '80	Nil	Weather—cloudy and cold. Rice being harvested. Winter crops progressing well. Harvesting of <i>moong</i> commenced. Mustard in flower. A few cases of fever reported. Many cases of small-pox in town. Common rice 15½ to 21 seers per rupee.
	38 Pooree, „ 1 „	Nil	Weather—cold and seasonable. Prospects of <i>sarad</i> and winter crops good. A few cases of small-pox reported. Prices stationary.
	39 Balasore, „ 2 „	Nil	Weather—seasonable. All crops promise well. Rice harvest far advanced.
CHOTA NAGPORE.			
<i>South-West Frontier Agency.</i>			
40	Hazareebagh, Jan. 2 '80	Nil	Weather—cold and occasionally cloudy, with a north-west wind. Prospects of <i>rubbee</i> crops promising. Public health good.
41	Lohardugga, „ 3 „	Nil	Weather—seasonable. Rain wanted for <i>rubbee</i> crops. Sky now overcast, and a good fall hoped for. Prices stationary.
42	Singbhoom, „ 3 „	Nil	Weather—seasonable. State and prospects of crops favorable.
43	Manbhoom, „ 3 „	Nil	Weather—fair and cool. Since yesterday (2nd) cloudy and warmer. A few drops of rain last night. Paddy nearly all cut. Winter crops promise well. Cattle disease in south of district (Manbazar).

Published for general information.

CALCUTTA, STATISTICAL DEPT.,
The 6th January 1880.A. MACKENZIE,
Secy. to the Govt. of Bengal.

RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the under

QUANTITIES PER RUPEE BY

Number.	DISTRICTS	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUH MILLET— CUMBOO, RAJRA.			GRASS MILLET— CHOLU, JOWAR.			LASSER MILLET— KAGI OR MURWA AND CHHENA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
BENGAL.																						
Western Districts.																						
1	Burdwan	10 8	10 4	12 0	18 0	18 0	18 0	15 4	15 8	13 10	16 0	16 8	14 8									
2	Bankura	9 0	10 5	10 12	14 0	14 0	14 0	13 6	12 8	12 0	20 0	20 0	14 8									
3	Deerbhoom	11 0	10 8	11 0				14 0	13 0	10 0	18 0	17 0	13 8									
4	Midnapore	11 0	10 0	11 0				12 0	12 0	10 0	15 0	15 0	15 0									
5	Hughly																					
	Howrah	12 0	11 0	10 0				10 0	9 12	9 0	16 8	16 0	11 0									
Central Districts.																						
	Calcutta	11 4	12 8	10 8	18 0	20 0	14 0	6 10	6 4	6 3	12 0	11 0	10 0				16 0	14 3				
6	24-Pergunnahs							6 10	6 10	6 8	12 0	10 10	9 0									
7	Nudda	12 12	12 4	12 5				12 12	13 0	10 0	13 6	15 0	10 10									
8	Jessore	9 0	10 0	11 0				11 0	10 12	8 0	15 0	15 8	12 8									
9	Moorsheadabad	11 4	10 8	12 0				14 0	12 0	10 0	16 8	15 0	12 0									
10	Dinapore	9 12	9 8	10 13	14 0	14 0	16 0	13 0	13 3	12 0	18 0	16 8	14 0									
11	Rajshalye	12 0	12 0	12 0				15 12	10 8	16 0	10 0	9 0	17 0	13 0	13 2							
12	Rungpore	11 4	11 4	8 0				9 4	11 4	8 0	17 5	13 14	14 12									
13	Hogra	10 2	10 14	12 0				9 0	9 12	9 8	20 4	19 8	15 0									
14	Pubna	10 0	10 0	15 0				8 0	8 0	6 4	17 8	16 8	13 0									
15	Darjeeling	8 0	8 0	8 0	8 0	8 0	8 0	4 0	4 0	4 0	11 0	11 0	10 0						8 0	8 0	12 0	
16	Jalpigore	8 0	8 0	8 8				8 0	8 0	8 0	20 0	20 0	12 3									
Eastern Districts.																						
17	Dacca	10 8	10 12	9 11	16 0	13 5		16 0	12 12	8 12	17 10	16 13	11 7									
18	Murreedpore																					
19	Maseringunge							13 0	12 0	11 0	18 0	16 0	13 8									
20	Myamnatigh	10 0	10 0	10 0				16 0	16 0	10 8	18 0	18 0	11 0									

• Returns not received.
A In the interior the prices range as follow:—Wheat 11 to 13 seers, barley (in Cutwa) 16 seers, best rice 13 to 15 seers, common rice 16 to 19 seers, and gram 12 to 18½ seers.
B In the interior the prices range as follow:—Wheat 9 to 12 seers, barley 17 to 24 seers, best rice 12 to 22 seers, common rice 16 to 22 seers, maize or Indian-corn 28 to 32 seers, and gram 8 to 12 seers.
C In the interior the prices range as follow:—Wheat 9 to 14 seers, best rice 13 to 18 seers, common rice 14½ to 20½ seers, and gram 10 to 13 seers.
D In the interior the prices range as follow:—Wheat 10½ to 16½ seers, barley 16 seers, best rice 6½ to 8½ seers, common rice 10½ to 16 seers, and gram 12½ to 13 seers.
E In the interior the prices range as follow:—Wheat 10 to 13 seers, barley 13½ to 20 seers, best rice 7½ to 12½ seers, common rice 13 to 17 seers, and gram 10 to 11½ seers.
F In the interior the prices range as follow:—Wheat 6 to 8 seers, best rice 7 to 16 seers, common rice 13 to 18 seers, and gram 8 to 10 seers.
G In the interior the prices range as follow:—Wheat 11 to 11½ seers, barley (in Jungpore) 18 seers, best rice 12 to 17 seers, common rice 15 to 18 seers, bulrush millet (in Jungpore) 23½ seers, and gram 12 to 14 seers.

SUPPLEMENT TO THE CALCUTTA GAZETTE, JANUARY 7, 1880.

mentioned Districts of Bengal for the Fortnight ending 31st December 1879.

THE BERR OF 80 TOLAHS.												AVERAGE WAGES PER MONTH.												DISTRICTS.
MAIZE OR INDIAN-CORN.			GRAM.			FIREWOOD.			SALT.			ABLE-BODIED AGRICULTURAL LABOURER.			STEER OR HORSE-KEEPER.			COMMON MASON, CARPENTER, OR BLACKSMITH.						
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.				
Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.				
...	11 8	11 12	10 8	80 0	80 0	100 0	10 0	9 4	10 0	7 8	7 8	9 8	6 8	6 0	6 0	11 0	10 0	10 0	Burdwan.			
0 31 8	35 0	10 10	10 10	10 10	10 8	280 0	280 0	360 0	8 8	8 8	9 0	5 0	5 0	5 0	4 8	4 9	4 8	15 0	15 0	15 0		Bankoora		
0 32 8	36 8	11 8	10 8	10 0	180 0	140 0	200 0	9 0	9 0	9 0	9 0	5 0	5 0	5 0	5 8	5 8	5 8	10 0	9 8	9 8			Beerbhooms.	
...	10 0	10 0	9 0	160 0	160 0	160 0	9 0	9 0	9 0	7 0	7 0	5 0	5 0	5 0	5 0	7 8	7 8	7 0	Midnapore.			
...		Hooghly.*		
...	12 8	11 8	10 0	100 0	100 0	105 0	10 0	10 0	10 0			Howrah.	
0 18 4	20 0	13 5	12 5	10 4	90 0	90 0	80 0	10 0	10 0	8 0	...	...	...	...	...	...	...	...	...	...	Central Districts.
...	12 0	11 6	10 8	90 0	100 0	90 0	9 0	9 6	9 0	6 0	6 0	6 0	6 0	6 0	6 0	16 0	16 0	16 0		Calcutta.		
...	14 8	11 4	10 0	100 0	100 0	120 0	9 11	0 6	0 6	7 8	7 8	7 8	7 8	6 0	7 8	7 8	7 8	7 8			24-Pergunnahs.	
...	10 8	10 0	10 0	110 0	110 0	110 0	8 0	8 0	8 0	7 8	7 8	7 8	8 0	6 0	8 0	15 0	15 0	15 0	Nuddas.			
...	12 0	12 0	10 8	120 0	120 0	120 0	7 0	7 0	8 0	4 8	1 11	1 8	1 0	4 0	4 0	7 8	7 8	7 8		Jessore.		
...	9 10	10 4	6 8	160 0	180 0	180 0	8 4	8 4	8 0			Maorshelabad.	
...	12 0	12 0	9 0	240 0	240 0	240 0	9 0	9 0	9 0	...	...	...	...	...	...	...	...	...	Chaugapora.		
...	9 0	9 0	8 0	120 0	107 0	107 0	7 14	7 14	6 0	7 8	7 8	6 8	6 0	6 0	6 0	12 0	10 0	10 0		Rajshahye.		
...	10 2	9 16	6 0	67 8	67 8	67 8	8 10	8 7	8 4	6 0	6 0	6 0	6 0	6 0	7 0	15 0	12 0	12 0			Rangpore.	
...	10 0	10 8	9 0	200 0	200 0	200 0	9 0	9 0	9 0	...	...	...	...	...	...	...	...	...	Bogra.		
...		Pubna.		
...			Dargahing.	
...	Jalgahee.			
...		Eastern Districts.		
...	11 13	10 12	8 8	106 0	106 0	100 0	9 0	9 0	9 0	5 0	5 0	5 0	6 0	6 0	6 0	8 0	8 0	10 0			Dacca.	
...	Furresopore.*			
...	10 0	10 0	9 0	100 0	100 0	100 0	8 8	8 8	9 0	7 8	7 8	7 8	6 0	6 0	6 0	9 0	8 0	8 0		Backergunge.		
...	10 0	10 8	8 0	8 12	8 12	8 8	7 8	6 8	6 8	7 8	6 0	6 8	15 0	15 0	15 0			Mymensingh.	
...				

- H In Roygunge the prices are—Wheat 10 seers, best rice 14½ seers, common rice 17 seers, and gram 10 seers.
 I In Nattore the prices are—Wheat 10½ seers, best rice 8½ seers, common rice 16½ seers, and gram 6½ seers.
 J In the interior the prices range as follow:—Wheat 1½ to 15 seers, best rice 9 to 18 seers, common rice 48 to 20 seers, lesser millets (in Kurigram) 20 seers, and gram to 9 seers.
 K In Serajgunge the prices are—Wheat 12 seers, best rice 8 seers, common rice 18 seers, and gram 10 seers.
 L In Kurmang the prices are—Best rice 6 seers, common rice 14 seers, lesser millets 12 seers, maize or Indian-corn 13 seers, and gram 6 seers.
 M In the interior the prices range as follow:—Best rice 10 to 13 seers, common rice 16 to 20½ seers, and gram 7½ to 8 seers.
 N In the interior the prices range as follow:—Best rice 12 to 18 seers, common rice 18 to 20 seers, and gram (in Naraingunge) 11 seers.
 O In the interior the prices range as follow:—Best rice 12 to 15½ seers, common rice 14 to 16½ seers, and gram 7 seers.
 P In the interior the prices range as follow:—Wheat 10 to 12 seers, best rice 8 to 25 seers, common rice 16 to 30 seers, and gram 8½ to 10 seers.

RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the under-

mentioned Districts of Bengal for the Fortnight ending 31st December 1879.—(Contd.)

		QUANTITIES PER RUPEE BY																																															
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUH MILLET— CUMBOO, RAJRA.			GREAT MILLET— CHOLUM, JOWAR.			LASSER MILLETS— RAGI OR MURWA AND CHENNA.																													
Number.	DISTRICTS.	Present return.			Next preceding return.			Corresponding return of last year.			Present return.			Next preceding return.			Corresponding return of last year.			Present return.			Next preceding return.			Corresponding return of last year.			Present return.			Next preceding return.			Corresponding return of last year.														
		S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.																
Eastern Districts.—(Contd.)																																																	
91	Chittagong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
92	Noakholly	...	Q	...	...	...	...	...	...	17	0	17	0	8	0	21	0	20	0	13	0	...	...	...	...	...	...	...	...	...	...	...	...	...		
93	Tippurah	...	10	0	10	0	10	8	...	...	14	8	14	8	8	8	21	8	21	8	13	0	...	...	...	...	...	...	...	...	...	...	...	...			
94	Chittagong Hill Tracts. ^a	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Tipperah	...	8	5	8	5	7	5	...	...	11	0	10	0	9	0	22	0	22	0	12	5	...	...	...	...	...	...	...	...	...	...	...	...			
BEHAR.																																																	
95	Patna	...	17	0	17	0	13	0	22	0	24	0	20	0	11	0	10	0	10	0	17	0	19	0	17	8	...	...	...	...	...	...	...	...							
96	Gya	...	R	14	8	14	8	12	8	20	0	18	8	13	8	8	8	9	0	0	16	8	18	0	16	0	...	...	...	...	...	28	0	29	0	26	0								
97	Bahabad	...	S	13	8	{	12	8	14	0	} ... {	14	0	17	0	} ... {	15	0	13	0	} ... {	17	0	{	17	0	16	0	} ... {	10	0	10	0	..	10	0	18	8	{	16	8	to	29	■	17	0	17	0	...
98	Darbhanga	...	T	13	0	12	0	12	8	25	0	22	0	16	8	10	0	11	0	12	0	16	0	16	0	14	12	...	...	...	...	...	25	0	22	0	24	0							
99	Muzaffarpore	...	U	12	0	13	0	12	0	22	0	22	0	20	0	10	0	10	0	8	0	16	0	17	0	14	0					
100	Sarus	...	V	13	0	12	8	12	4	21	4	2	0	20	6	7	4	7	0	7	8	16	0	17	0	14	8	19	0	18	8	20	4	17	4	21	4	26	0							
101	Champaran	...	W	18	0	13	0	11	0	28	0	22	0	17	0	12	0	12	0	7	0	19	0	19	0	17	8					
102	Monghyr	...	X	13	10	13	10	13	10	21	0	14	11	10	8	11	8	9	7	18	4	21	0	13	10					
103	Bhagalpur	...	Y	12	3	11	14	12	6	21	7	20	3	12	10	16	14	12	10	12	10	18	11	16	6	16	2					
104	Purneah	...	Z	{	14	0	to	15	0	} ... {	13	0	13	0	15	0	17	0	16	0	{	19	0	to	20	0	} ... {	18	0	{	17	0	to	18	0	} ... {	
105	Malda	...		13	0	11	8	12	0	15	0	14	0	12	0	13	0	16	0	14	0				
106	Sonthal Pergunnahs.	...	Z	10	0	9	0	10	0	20	0	19	0	16	0	21	0	20	0	17	0				
ORISSA.																																																	
107	Cuttack	...		9	3	9	3	12	7	11	13	11	13	10	5	17	1	17	1	14	7	9	3	11	13	21	0							
108	Pooros	...		7	14	10	6	10	8	9	3	9	3	8	9	17	1	15	12	15	0				
109	Halasore	...		8	0	8	0	8	0	13	0	13	0	8	0	17	0	17	0	12	0				
CHOTA NAGPORE.																																																	
South-Western Frontier Agency.																																																	
110	Hazaribagh	...	Z1	12	0	12	0	11	0	17	0	16	0	9	0	9	0	9	0	24	0	24	0	17	8	33	0	...	27	0							
111	Lohardugga	...	Z2	11	0	10	0	9	0	24	0	24	0	16	0	23	0	29	0	18	0				
112	Singbhoom	...		8	0	8	0	8	0	16	0	20	0	20	0	12	0	12	0	10	0	28	0	28	0	16	0				
113	Maubhoom	...	Z3	10	0	9	8	9	12	24	0	24	0	12	0	11	0	12	0	24	0	24	0	19	0				

• Returns not received.

† In the interior the price of common rice varies from 15½ to 21 seers per rupee.

(c) In the interior the prices range as follow :— Best rice 14 to 21 seers, and common rice 10 to 12 seers.

Q In the interior the prices range as follows:—Butt rice 14 to 21 seers, and common rice 10 to 12 seers.
A In Nowada the prices are—Wheat 15 seers, barley 25 seers, common rice 21 seers, lesser millet 35 seers, maize or Indian-corn 27 seers, and gram 16 seers.

10 In the interior the prices range as follow:—Wheat 1½ to 1½½ seers, barley 21 to 25 seers, heat rice 10 to 12 seers, common rice 17 to 21 seers, bulrush millet (in Buxary 20
11 seers, great millet 20 to 22 seers, lesser millets 20 to 28 seers, maize or Indian-corn 10 to 25 seers, and gram 14½ to 17 seers.

T In the interior the prices range as follows:—Wheat 13 to 14 seers, barley 25 seers, best rice 10 to 19 seers, common rice 18 to 20 seers, lesser millets 22 to 25 seers, maize or Indian-corn 20 to 25 seers, and gram 16 to 17 seers.

U In the interior the prices range as follow:—Wheat 18 to 21 seers, barley 16 to 20 seers, best rice 9 to 22½ seers, common rice 12½ to 25 seers, longer millets 24 to 32 seers, maize or Indian-corn 20 to 32 seers, and grain 18 to 23 seers.

V In the interior the prices range as follow :—Wheat 18 to 20 seers, barley 28 to 35 sers, beat rice 11 to 17 seers, common rice 14 to 25 seers, lesser millets 27 to 28 seers, maize or Indian-corn 24 to 30 seers, and gram 15 to 20 seers.

maize or Indian-corn 24 to 30 feet, and grain 15 to 20 feet.

THE SEER OF 80 TOLAH.																		AVERAGE WAGES PER MONTH												DISTRICTS.
MAIZE OR INDIAN-CORN.						GRAM.			FIREWOOD.			SALT.			ABLE-BODIED AGRICULTURAL LABOURER.			STOCK OR HORSE-KEEPER.			COMMON MASON, CARPENTER, OR BLACKSMITH.									
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.							
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.							
...							
...	...	...	5 0	6 0	6 0	...	...	...	8 0	8 0	8 0	...	...	...	6 0	6 0	5 0	7 0	6 0	7 0	7 0	7 8	Chittagong.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10 0	12 0	0 0	...	...	...	...	...	Noakhali.	
...	...	...	9 8	0 8	7 8	...	...	...	8 12	8 12	8 12	...	...	...	6 0	5 0	7 0	5 0	5 0	7 0	7 0	8 0	Tipperah.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9 6	7 0	10 0	7 0	7 0	7 0	16 0	16 0	Chittagong Hill Tracts.	
...	...	...	8 0	8 0	8 0	...	...	...	8 0	8 0	8 0	...	...	...	6 8	6 8	7 8	5 12	5 12	5 8	11 8	11 0	Hill Tipperah.	
BEHAR.																														
23 0	24 0	28 0	17 0	17 0	11 8	140 0	140 0	140 0	8 12	8 12	8 0	...	...	...	3 0	3 0	3 0	4 0	4 0	4 0	5 10	5 10	5 10	Patna.			
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1 0	1 0	1 0	5 0	5 0	5 0	7 8	7 8	7 8	Gya.
23 0	25 0	24 0	16 0	16 0	10 0	140 0	140 0	180 0	8 8	8 8	9 0	...	...	...	2 12	3 0	3 0	4 0	5 0	5 0	5 8	5 0	5 0	Shahabad.			
...	...	...	16 8	15 0	...	120 0	120 0	160 0	9 0	9 0	9 0	...	...	...	3 0	3 8	3 8	5 0	8 0	8 0	6 8	7 0	7 0	Durbhanga.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3 0	3 0	3 0	4 0	4 0	4 0	7 0	7 0	7 0	Muzafferpore.
21 0	22 0	31 0	17 0	17 0	9 4	160 0	160 0	120 0	8 0	8 0	7 12	...	...	...	2 13	3 8	3 8	5 0	5 0	5 0	12 0	12 0	12 0	Saran.			
21 4	22 0	29 0	17 0	17 0	10 0	120 0	120 0	140 0	8 8	8 8	8 0	...	...	...	3 12	3 12	3 12	5 0	5 0	5 0	7 8	7 8	7 8	Champaran.			
19 0	19 4	28 0	15 0	15 0	10 0	160 0	180 0	220 0	8 8	8 8	8 8	...	...	...	4 0	3 12	3 12	5 0	4 8	4 8	12 0	12 0	12 0	Monghyr.			
26 0	26 0	35 0	17 0	17 0	8 0	...	...	...	8 0	8 0	8 0	...	...	...	2 13	2 13	2 13	4 0	4 0	4 0	6 0	5 13	5 13	Bhagupore.
16 6	31 0	29 7	14 11	10 8	12 0	105 0	111 8	147 0	8 8	8 8	8 6	...	...	...	3 0	3 0	3 0	3 0	3 0	3 0	5 10	5 10	5 10	Purneah.			
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Maldah.
...	...	...	13 8	13 0	10 0	120 0	120 0	160 0	8 0	8 0	8 0	...	...	...	...	...	...	...	...	...	...	...	...	Sonthal Pergas.
...	...	...	13 0	11 0	8 0	120 0	140 0	100 0	9 0	9 0	8 8	...	...	...	...	...	...	...	...	...	...	...	...	Orissa.
...	...	...	11 0	10 8	9 0	200 0	200 0	200 0	8 0	8 0	8 0	...	...	...	...	...	...	...	...	...	...	...	...	Cuttack.
...	...	...	14 7	15 1	13 2	160 0	160 0	200 0	11 0	11 0	11 0	...	...	...	5 10	5 10	5 10	4 0	4 0	4 0	7 8	7 8	7 8	Pooree.	
...	...	...	13 2	13 2	11 13	100 0	100 0	100 0	11 13	11 13	10 8	...	...	...	7 0	6 0	6 0	5 0	5 0	5 0	10 0	10 0	10 0	Balasore.	
...	...	...	8 0	8 0	6 8	140 0	140 0	80 0	9 0	9 0	7 0	...	...	...	6 9	6 0	5 10	5 0	5 0	4 0	7 8	7 8	7 8	CHOTA NAGPORE.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	South-Western Frontier Agency.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hazareenagh.
...	...	...	13 0	12 0	10 0	180 0	180 0	240 0	7 8	7 8	6 0	...	...	...	3 0	3 0	3 0	6 0	5 0	5 0	10 0	10 0	10 0	Lohardugga.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Singbhoom.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Manbhoom.

W In the interior the prices range as follow:—Wheat 10½ to 15 seers, barley 21 to 22 seers, best rice 8½ to 12 seers, common rice 18½ to 19 seers, jowar 21 to 23 seers, milwa 22 to 23 seers, maize or Indian-corn 21 to 26 seers, and gram 15 to 16½ seers.

X In the interior the prices range as follow :—Wheat 12½ to 17 seers, best rice 15 to 22 seers, common rice 20 to 25 seers, lesser millet 25 to 30 seers, maize or Indian-corn 21 to 26 seers, and gram 16 to 16½ seers.

2 In the interior the prices range as follow:—Wheat 9 to 14 seers, best rice 16 to 23 seers, common rice 20 to 23 seers, and gram 8 to 14 seers.

21 In the interior the prices range as follow :—Wheat 12 to 14 seers, barley 20 to 25 seers, best rice 9 to 22½ seers, common rice 11 to 25 seers, maize or Indian-corn 14 to 25 seers, and gram 10 to 13 seers.

22 In the interior the prices range as follow:—Wheat 12 to 14 seers, barley 20 to 25 seers, best rice (in Chuttra) 14 seers, common rice 22½ to 24 seers, lesser millets 34 to 40 seers, maize or Indian-corn 30 seers, and gram 12 to 16 seers.

23 In the interior the price range as follows:—Wheat 18 to 10 seers, barley (in Daltongunge) 22 seers, best rice 14/03 to 39 seers, common rice 22 to 37 seers, bulrush millet (in Daltongunge) 25-30 seers, murrwa 41 to 45 seers, maize or Indian-corn 40/50 seers, and gram 14 to 10 seers.

the interior the prices range as follow:—Wheat 8 to 10 seers, barley (in Govindpore) 20 seers, best rice 16 to 32 seers, lesser millets 34 to 40 seers, maize or Indian-corn 44 to 50 seers, and sugar 8 to 101 seers.

WHOLESALE PRICES-CURRENT of Food-grains Firewood, and Salt in

Number.	MARKS.	PRICES PER MAUND																	
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLST-CUMBOO, BAJRA.					
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	8 8 0	3 5 0	3 12 0	2 8 0	2 0 0	2 12 0	6 0 0	6 0 0	6 7 9	3 5 8	3 6 0	4 0 0	...	...	...	...	...	...
2	Seraingunge ...	8 4 0	3 0 0	4 0 0	...	...	...	4 8 0	4 8 0	4 12 0	2 4 0	2 8 0	3 12 0	...	...	...	...	...	...
3	Dacca ...	3 12 0	3 11 0	3 12 0	2 8 0	3 0 0	...	2 6 0	3 0 0	$\left\{ \begin{smallmatrix} 3 6 0 \\ \text{to} \\ 4 8 0 \end{smallmatrix} \right\}$	1 14 0	2 4 0	$\left\{ \begin{smallmatrix} 3 0 0 \\ \text{to} \\ 3 7 0 \end{smallmatrix} \right\}$	...	...	...	...	...	...
4	Naraingunge ...	...	...	...	...	...	...	2 4 0	2 10 0	3 10 0	2 0 0	2 0 0	3 5 0	...	...	...	...	...	...
5	Chittagong* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Patna ...	2 5 6	2 5 0	3 1 3	1 13 0	1 10 0	2 0 0	3 10 0	4 0 0	4 0 0	2 5 6	3 1 9	2 4 6	...	...	...	...	...	...
7	Balasore ...	5 0 0	5 0 0	4 15 0	...	...	...	3 2 0	3 2 0	4 12 0	2 6 0	2 5 0	3 9 0	...	...	...	...	...	...
8	Poorce ...	...	...	...	...	...	...	...	...	...	2 6 0	2 8 0	3 0 0	...	...	...	...	...	...
9	Cuttack ...	4 3 0	4 3 0	3 3 0	...	...	...	3 4 0	3 4 0	3 8 0	2 2 0	2 2 0	2 10 0	...	...	...	...	...	...

* Return not received.

CALCUTTA,
The 6th January 1880.

the undermentioned Marts of Bengal for the Fortnight ending 31st December 1879.

OF 40 SEERS.

GRANAT MILLET— CHOLU, JOWAR.			LARGER MILLET— RAOI OR MURWA AND CHHETTA.			MAIZE OR INDIAN- CORN.			GRAM.			PIKEWOOD.			SALT			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	
9 6 02 12 0	2 0 02 4 02 0 03 0 03 5 03 11 9 0 6 30 6 30 9 0 3 0 04 0 04 8 0	Calcutta.											
...	3 14 0 3 2 5 0 0	...	...	...	...	...	1 6 04 6 04 6 0	Serajgunge.		
...	3 40 3 10 04 5 0 6 00 6 00 5 0 3 04 3 04 2 0	Dacca.								
...	3 10 0 3 14 03 15 0 8 00 8 00 13 0 3 6 04 6 04 3 0	Narsingunge.								
...	Chittagong.	
...	1 12 01 10 9 17 32 5 6 2 5 63 8 0 0 1 90 4 90 4 9 4 10 04 10 05 0 0	Patna.											
...	5 0 0 5 0 08 0 0 0 3 60 3 60 8 0 4 2 04 6 05 0 0	Balassore.								
...	Poorce.	
...	4 3 0 8 4 01 11 0	...	...	...	...	...	2 10 0 2 8 03 0 0 0 4 0 0 4 0 03 0 3 8 0 3 8 0 3 6 0	Cuttack.								

Published for general information.

A. MACKENZIE,
Secy. to the Govt. Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

STOCKS IN HAND AS COMPILED ON—

NAMES OF MARKS.	1st week of Jan. 1879.	1st week of Feb. 1879.	1st week of Mar. 1879.	1st week of April 1879.	1st week of May 1879.	1st week of June 1879.	1st week of July 1879.	1st week of Aug. 1879.	1st week of Sept. 1879.	1st week of Oct. 1879.	1st week of Nov. 1879.	1st week of Dec. 1879.	1st week of Jan. 1880.
Balischatta ...	Mds. 2,08,300	Mds. 5,69,600	Mds. 9,31,600	Mds. 6,60,000	Mds. 5,10,000	Mds. 5,04,500	Mds. 4,71,000	Mds. 4,54,000	Mds. 2,59,500	Mds. 3,54,000	Mds. 3,23,200	Mds. 1,69,000	Mds. 1,03,000
Ooltadanga ...	29,600	37,300	47,400	50,300	68,200	55,000	40,500	51,000	31,300	35,500	37,400	27,900	32,400
Chitapore, Golabaree, Coomer- tooly, Hakthola, and Culpy Ghat.	2,94,000	3,61,100	4,53,800	4,08,900	3,54,900	3,77,600	3,55,300	4,03,500	4,60,100	6,51,400	5,31,700	4,85,400	5,07,000
Pahurichatta, Posta, and Jorabagan.	10,100	16,800	26,500	37,000	24,500	24,700	18,000	22,200	32,000	31,000	29,500	23,700	37,700
Tollymore, Chittish, Kidderpore, and Moonsikurage.	74,600	1,20,800	1,00,500	1,44,100	1,08,500	1,01,800	1,48,800	1,03,400	57,000	68,900	69,300	50,300	60,000
31 Minor Bazar (estimated) ...	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 3,189 in number (estimated.)	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Boldybaty, Novabunge, Bhindressur, and Chander- nagore.	93,500	67,700	66,400	83,800	61,700	76,325	61,670	51,912	64,014	77,434	65,300	25,500	23,413
Total ...	12,60,688	16,43,563	21,04,940	18,44,397	16,88,506	16,33,825	15,8,170	16,41,512	13,73,314	17,48,254	16,05,520	13,94,706	13,55,313
On Railway premises both sides the river.	23,410 (on 3rd Jan. 79.)	9,214 (on 3rd Feb. 79.)	2,300 (on 3rd March 79.)	2,776 (on 3rd April 79.)	3,104 (on 3rd May 79.)	3,696 (on 2nd June 79.)	2,862 (on 3rd July 79.)	6,374 (on 4th Aug. 79.)	5,256 (on 3rd Sept. 79.)	4,524 (on 3rd Oct. 79.)	1,260 (on 4th Nov. 79.)	2,756 (on 5th Dec. 79.)	11,354 (on 5th January.)
On boats un- loaded to by {Port Commis- sioners' re- turns. {	85,954 (1st to 3rd Jan. 79.)	50,604 (1st to 3rd Feb. 79.)	44,730 (1st to 3rd March 79.)	39,702 (1st to 3rd April 79.)	19,214 (1st to 3rd May 79.)	28,562 (31st May to 2nd June 79.)	36,877 (1st to 3rd July 79.)	42,901 (1st to 3rd Aug. 79.)	27,387 (1st to 3rd Sept. 79.)	37,113 (1st to 3rd Oct. 79.)	19,590 (1st to 3rd Nov. 79.)	26,318 (3rd to 5th Dec. 79.)	43,330 (1st to 3rd January.)
Onal returns...	73,769 (1st to 3rd Jan. 79.)	59,483 (1st to 3rd Feb. 79.)	46,080 (1st to 3rd March 79.)	13,901 (1st to 3rd April 79.)	7,313 (1st to 3rd May 79.)	3,215 (31st May to 2nd June 79.)	12,749 (1st to 3rd July 79.)	4,949 (1st to 3rd Aug. 79.)	12,483 (1st to 3rd Sept. 79.)	21,129 (1st to 3rd Oct. 79.)	22,082 (1st to 3rd Nov. 79.)	9,452 (3rd to 5th Dec. 79.)	54,977 (1st to 3rd January.)
Grand Total of Stocks ...	14,41,775	17,09,274	21,98,009	19,54,766	16,67,136	16,63,686	16,33,103	16,95,925	14,19,020	19,10,833	16,48,139	13,42,232	14,09,603
Probable stocks available for exportation by sea.	4 lakhs.	7 lakhs.	10 lakhs.	8½ lakhs.	6 lakhs.	6 lakhs.	5½ lakhs.	6½ lakhs.	3½ lakhs.	7½ lakhs.	6 lakhs.	3 lakhs.	4 lakhs.

STATISTICAL DEPARTMENT,
The 6th January 1880.

A. MACKENZIE,
Secy. to the Govt. of Bengal.

following Statement shows the Quantities of the principal Staples of Traffic imported into Calcutta from the interior during the month of October 1879.

IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS.							FIBROUS PRODUCTS.		OILSEEDS.				SUGAR.			
	RICE AND PADDY.			Wheat.	Gram and pulses.	Other food-grains.	Total.	Inte. raw.	Gunny bags.	Linseed.	Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	Refined.	Unrefined.	
	Rice.	Paddy.	Total (in rice).														
BENGAL.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	
Ban	50,493	10,250	60,743		873	1,457	62,969				548	130		37		390	
Broom	45,054		45,054				45,054							15			
Buro	50,115	51,720	101,835				101,835							215		1,774	
City	34,416	5,107	39,523	11,537	6,374	1,140	58,540	44,932	457,674	49,757	10,300		34	140	4,852	5,819	
Gunnahe	30,366	22,425	52,791	47	1		52,838	80,413	241,625				350		4,450	10,272	
...	1,182		1,182	3,367	10,208	2,542	17,299		1,730	3,297		405	140	233	1,379	3,185	
...	4,275		4,275				4,275	21,322							645	9,130	
Medanah	25,250		25,250	4,274	1,197		30,720			4,602	150			390			
...	56,506	100	56,606				56,606	6,500	496,474								
...	748		748	402	2,055		3,205	65,608	25	777							
...								95,858	32,578								
...	7,235		7,235				7,235	1,400									
...					206		206	4,29,420	176,150		1,502						
...	1,094		1,094				1,094	10,800	6,700			13,029					
...	6,553		6,553				6,553	5,97,000	700								
...	1,576	500	1,876		302		2,178	5,21,308	2,552	15							
...	1,88,991		1,88,991		450		1,89,441	400									
...	400		400				400	16,427									
...	1,030		1,030				1,030										
...	180		180				180					1,040	1				
...	18,000		18,000				18,000										
Total of Bengal	5,81,323	76,102	6,28,887	10,077	22,236	5,139	6,75,969	16,77,720	47,000	58,506	12,109	13,000	1,078	1,339	11,448	35,780	
BEHAR.																	
...	28,274		28,274	89,480	73,530	35,146	2,13,447			1,35,944	24,900				1,121	1,071	
...	1,371		1,371	10,503	1,143	3	10,221			1,740	770					...	
...						197	197			1,454	4,079					...	
...	770		770			12	782			65,720	9,088					...	
...				37,042	4,705	1,519	43,880			30,000	4,000				235	...	
...	1,808		1,808	23,187	42,918	407	66,512			2,184	5,581					...	
...	2,408		2,408	46,028	3,048	150	52,570			9,120	2,141					...	
...	52		52	603	902	301	2,070									...	
...	404		404	9,705			9,709	8,700	3,700	2,000	6,527	1,525				...	
...	11,272		11,272	9,791	308	205	21,790			1,000						...	
Total of Behar	46,456		46,456	2,32,018	1,27,814	20,037	4,25,354	3,700	3,750	2,01,906	57,858	1,525			1,480	2,516	
ORISSA.																	
...	6,161	4,247	10,408	23	678		9,816		1,900								
...	1,810	19,047	20,857			11	13,736		700								
Total of Orissa	8,271	23,294	31,565	23	678	11	23,542		2,600								
CHOTA NAGPORE.																	
...	3,704		3,704				3,704					104					
...	5,311		5,311		31	65	5,407					154					
Total of Chota Nagpore	9,015		9,015		31	65	9,111					258					
Total of supplies to the Provinces (North-Western and Eastern of Bengal.)	6,45,094	99,396	7,07,217	2,51,718	1,50,780	31,252	11,40,976	18,80,359	1,480,270	3,50,502	70,027	17,251	1,878	1,240	12,907	23,894	
OTHER PROVINCES.																	
...																	
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* One maund of paddy is equivalent to 25 seers of rice.

† Exclusive of bags obtained by local manufacture.

The Sea-borne Trade of Calcutta in these Staples during the month of October 1879 was as follows:—

EXPORTED FROM CALCUTTA—	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Shan Ports, viz.—																
...	17,216	69	17,349	...	207	...	17,476	32,750	663,901	61	...	52	...	79	16,673	...
...	130	...	130	...	30,600	...	30,730	...	304,778	...	...	...	...	301	...	...
...	...	...	...	...	3,118	...	3,118	...	...	...	...	...	...	17	219	...
...	54	...	54	...	2,767	...	2,821	...	435,100	...	40	...	...	21	580	...
...	91	...	91	...	5,533	...	5,624	...	9,025	...	...	...	...	58	251	...
...	...	...	...	...	98	...	98	...	5,100	...	...	...	...	...	...	...
Total of interportal trade	17,500	69	17,553	8,430	37,214	232	65,420	32,750	1,403,104	61	40	75	...	469	17,742	97
Foreign Ports—																
...	29,723	5	29,728	3,83,500	200	...	4,17,283	6,57,007	3,97,786	44,161	51,006	1,408	1,971	...	...	...
...	3,55,180	20	3,55,183	18,130	45,008	13,061	4,32,363	2,51,025	7,024,600	40,008	83	10,033	1,917	...	1,376	...
Total of foreign trade	3,63,673	25	3,63,698	4,00,430	45,208	13,061	8,49,583	8,80,332	7,024,600	3,47,734	44,533	52,000	17,446	2,083	1,370	...
Total of (1879)	4,01,373	92	4,01,441	4,11,860	82,513	14,193	9,13,012	9,23,063	8,617,004	3,47,773	44,533	52,174	17,446	2,087	19,018	87
Imports in Oct. (1879)	6,50,868	501	6,51,178	1,74,081	86,170	7,813	7,59,291	9,30,186	6,894,638	3,71,795	1,96,168	40,027	20,570	2,105	11,041	129

The following Statement shows the several Routes followed by the Trade in the principal Staples of Traffic imported into Calcutta during the month of October 1879.

IMPORTS INTO CALCUTTA.

Specification of routes.	FOOD-GRAINS.					FIBROUS PRODUCTS.		OILSEEDS.		Tea. Indian.	Cotton, raw.	Salt, raw.	SUGAR.	
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Jute, raw.	Gunny bags.	Linseed.	Mustard seed.				Refined.	Unrefined.
By country boats	Mds. 4,22,190	Mds. 6,282	Mds. 1,56,575	Mds. 91,794	Mds. 1,324	Mds. 6,24,076	No. 1,241,824	Mds. 2,76,302	Mds. 61,440	Mds. 52,226	Mds. 13,061	Mds. 413	Mds. 15,150	Mds. 32,000
river steamers	1,66,745	...	5,08,050	89,003	25,614	...	...	1,00,361	56,563	1,923	13,561	436	52	2,000
rail { East Indian	13,644	...	310	2,603	11	7,90,432	226,305	1,427	...	22,232	...	213	...	2,100
Eastern Bengal	42,742	10,820	45	1	...	71,003	9,550	...	...	...	126	118	3,545	900
road	9,078	23,394	23	1,915	11	73	11,853	...	...	1,242	7,044	400	180	...
sea	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grand total of Imports { 1879	6,48,328	90,396	7,25,093	1,84,876	33,963	16,90,612	1,489,532	3,78,160	1,18,005	77,073	30,792	1,650	18,933	38,857
in October { 1879	8,19,071	68,455	3,08,498	2,56,463	48,386	18,03,431	1,838,340	4,11,039	1,68,926	50,183	30,505	1,355	16,643	31,700

The following Statement shows the Quantities, Values, and Numbers of the principal Staples of Traffic exported inland from Calcutta during the month of October 1879.

EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods (European).	Cotton twist (European).	Salt.	Gunny-bags.	Whither exported.	Cotton piece-goods (European).	Cotton twist (European).	Salt.	Gunny-bags.
BENGAL.	Rs.	Mds.	Mds.	No.	CHOTA NAGPORE.	Rs.	Mds.	Mds.	No.
Hurdwan	4,87,020	1,276	40,530	41,455	Hazariabagh	92,060	47	7,405	2,730
Beerbhoom	1,06,800	392	36,175	36,175	Manbhoom	89,680	590	3,511	2,620
Midnapore	4,570	825	545	5,100	Total of Chota Nagpore	1,82,640	637	11,216	5,350
Hooghly	58,440	670	2,601	114,118	Grand total of supplies into the provinces under the Lieutenant-Governor of Bengal.	76,99,207	16,009	5,15,402	900,900
24-Pargannas	1,88,400	598	19,284	27,145	OTHER PROVINCES.				
Nudda	5,75,183	1,507	9,028	4,550	Assam	3,63,640	580	31,154	...
Jessore	24,366	310	32,861	...	North-Western Provinces	22,82,590	2,447	2,623	652,445
Moorsheadabad	4,92,320	102	19,957	14,018	Punjab	22,53,920	2,754	...	236,700
Dinapore	1,05,200	184	8,875	2,000	Central Provinces	1,13,520	390	...	32,200
Rajahmundry	1,33,120	61	2,000	...	Rajputana States	1,52,000	50	...	3,900
Kanpur	2,23,860	62	4,100	...	Nizam's Territory	720	...	...	...
Bogra	51,160	5	700	...	Bombay	15,944	20	...	663,901
Patna	2,70,900	481	41,380	5,500	Madras	42,622	511	...	304,770
Jalpagore	1,18,380	364	3,900	...	British Burmah	1,57,156	1,721	...	425,100
Dacca	4,92,620	2,083	55,992	...	Pondicherry	...	...	...	4,100
Furzedpore	2,99,140	1,034	32,763	...	Other places	2,32,502	280	13,956	7,030,483
Backergunge	67,519	354	20,335	...	Grand total of Exports { 1879	1,35,83,691	25,371	5,65,855	10,239,408
Mymensingh	1,000	43	12,075	...	in October { 1878	1,28,21,316	20,945	3,74,903	7,074,122
Tipperah	...	...	3,410	...					
Chittagong	86,541	209	17,700	...					
Noakhilly	9,400	180	6,823	...					
Total of Bengal	30,51,067	11,103	3,13,306	513,003					
BEHAR.									
Patna	13,75,120	519	92,828	187,000					
Shahabad	1,91,060	199	16,960	28,680					
Muzafferpore	4,36,880	...	7,495	3,640					
Durbhanga	2,91,680	435	25,822	42,003					
Saran	...	...	7,725	9,150					
Monohyr	1,75,920	180	8,448	30,393					
Bhagalpore	3,81,360	280	11,287	42,010					
Purneah	2,70,260	247	1,700	1,340					
Maldah	...	...	6,426	675					
Sonthal Pargannas	3,70,480	415	12,099	19,540					
Total of Behar	34,93,800	2,254	1,90,910	365,923					
ORISSA.									
Cuttack	63,900	1,790	...	9,450					
Balasore	18,300	705	...	67,975					
Total of Orissa	72,200	2,585	...	70,525					

The Sea-borne Trade of Calcutta in these staples during the month of October 1879 was as follows:—

	Rs.	Mds.	Mds.	No.
IMPORTED INTO CALCUTTA—				
From Foreign Ports—				
United Kingdom	75,56,010	12,308	3,90,467	...
Other foreign ports	1,075	150	69,654	...
Total of foreign trade	75,57,085	12,548	4,09,121	...
From Indian Ports—				
Bombay	...	...	36,311	4,283
Madras	1,065	...	...	800
Other ports in Madras	600	...	...	...
British Burmah	3,740	50	...	...
Other Indian ports	1,740	3	...	6,800
Total of interport trade	7,745	62	28,311	11,833
Grand total of Imports { 1879	75,64,830	12,610	4,07,432	11,825
in October { 1878	1,14,58,659	22,393	6,08,357	180,600

The following Statement shows the several Routes followed by the Trade in the principal Staples of Traffic exported from Calcutta during the month of October 1879.

Specification of routes.	Cotton piece-goods (European).	Cotton twist (European).	Salt.	Gunny-bags.
	Rs.	Mds.	Mds.	No.
By country boats	1,20,271	2,813	2,65,508	504,375
river steamers	8,47,290	890	6,024	...
rail { East Indian	28,81,040	10,701	2,22,229	1,316,005
Eastern Bengal	23,81,840	4,107	61,870	...
road	1,94,795	954	6,030	609
sea	4,02,405	5,080	14	8,517,604
Grand total of Exports in October { 1879	1,35,33,691	25,371	5,63,235	10,239,408
{ 1878	1,28,21,316	20,945	3,74,903	7,074,122

* As per tariff declaration value.

Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISION.	DISTRICTS.	STATIONS.	Rain from 14th to 20th Dec. 1879.	Rain from 21st to 27th Dec. 1879.	RAIN FROM 1st JANUARY 1879.		REMARKS.	
			Inches.	Inches.	Inches.	Up to date.		
BENGAL.								
BURDWAN.	WESTERN DISTRICTS.		Inches.	Inches.	1879.			
	Burdwan ...	Burdwan ...	Nil.	Nil.	41.00	27th Dec.		
		Untwa ...	ditto	ditto	44.00	ditto		
		Chaba ...	ditto	ditto	51.58	ditto		
		Raneegunge ...	ditto	ditto	39.37	ditto		
	Bankura ...	Bankura ...	ditto	ditto	47.89	ditto		
		Bishenpore ...	ditto	ditto	13.91	ditto	From 30th August.	
	Hoerbhoom ...	Sooree ...	0.01	ditto	49.03	ditto		
		Hetampur ...	Nil.	ditto	51.04	ditto		
		Roypur ...	ditto	ditto	35.29	ditto		
		Rampore Haut ...	0.01	ditto	56.13	ditto		
	Midnapore ...	Midnapore ...	Nil	ditto	38.96	ditto		
		Tumlook ...	ditto	Not recd.	33.85	20th Dec.	Not received 8th to 15th Nov. and 7th to 13th Dec.	
		Ghattal ...	ditto	Nil.	34.51	27th Dec.		
		Contail... { Dy. Collr.'s Office... { Exe. Engr.'s Office	ditto	Not recd.	48.51	20th Dec.		
	Hooghly ...	Hooghly ...	ditto	ditto	41.43	ditto		
		Serampore ...	ditto	ditto	44.70	ditto		
		Jehanabad ...	ditto	ditto	50.44	ditto		
		Howrah ...	ditto	ditto	48.35	ditto		
	Howrah ...	Maheshbata ...	ditto	ditto	34.47	ditto		
		CENTRAL DISTRICTS.						
		24. Pergunnahs	Saugor Island ...	ditto	ditto	...	ditto	
			Alipore ... { Observatory { Dispensary	ditto	ditto	...	ditto	
	Alipore ... { Jail		ditto	ditto	...	ditto		
	Busseerhat ...		ditto	ditto	...	ditto		
	Barasat ...		ditto	ditto	...	ditto		
	Diamond Harbour ...		ditto	ditto	...	ditto		
	Barrapore ...		ditto	ditto	...	ditto		
	Satkhira ...		ditto	ditto	...	ditto		
Barrackpore ...	ditto		ditto	...	ditto			
Dum-Dum ...	ditto		ditto	...	ditto			
Nuddea ...	Kishuaghur ...	ditto	ditto	54.03	ditto			
	Bongone ...	ditto	ditto	47.20	ditto			
	Meherpore ...	ditto	ditto	50.80	ditto			
	Chooandauga ...	ditto	ditto	77.05	ditto			
	Kooshten ...	ditto	ditto	60.07	ditto			
	Ranaghat ...	ditto	ditto	53.54	ditto			
	Jessore ...	ditto	ditto	50.54	ditto			
	Narail ...	ditto	ditto	42.36	ditto			
	Khoolna ...	ditto	ditto	56.91	ditto			
	Jhenidab ...	ditto	ditto	63.23	ditto			
Jessore ...	Bugirhat ...	ditto	ditto	44.74	ditto			
	Magoorah ...	ditto	ditto	50.25	ditto			
	Berhampore ...	ditto	ditto	62.32	ditto			
	Lalbagh ...	ditto	ditto	59.79	ditto			
	Jungypore ...	0.01	ditto	60.80	ditto			
	Azimungo ...	Nil.	ditto	54.15	ditto			
	Lalgolla ...	ditto	ditto	83.40	ditto			
	Kandee ...	ditto	ditto	65.07	ditto			
	Dinagopore ...	Dinagopore ...	ditto	ditto	86.89	ditto		
		Raigunge ...	ditto	ditto	62.84	ditto		
Mohadebpore ...		ditto	ditto	91.70	ditto			
Chooramon ...		ditto	ditto	80.85	ditto	From 9th March.		
Maldah ...	Maldah ...	ditto	Not recd.	70.58	20th Dec.			
	Chanchal ...	ditto	ditto	75.44	ditto			
	Banlonah ...	ditto	Nil.	86.88	27th Dec.			
	Nattore ...	ditto	ditto	66.59	ditto			
Rajshahye ...	Rangpore ...	ditto	ditto	108.98	ditto			
	Bhabanigunge ...	ditto	ditto	70.54	ditto			
	Kurigram ...	ditto	ditto	87.03	ditto			
	Bagdogra ...	ditto	ditto	120.74	ditto			
Bogra ...	Bogra ...	ditto	ditto	71.79	ditto			
	Sherpur ...	ditto	ditto	80.08	ditto			
	Nowkhilla ...	ditto	ditto	64.15	ditto			
	Panchbibi ...	ditto	ditto	78.45	ditto			
Pubna ...	Pubna ...	ditto	ditto	54.00	ditto			
	Serajgunge ...	ditto	ditto	70.50	ditto			
	Darjeeling ...	Darjeeling... { Telegraph Office	ditto	ditto	152.67	ditto		
		Darjeeling... { Hospital	ditto	ditto	160.00	ditto		
COOCH BEHAR.	Julpigoree ...	ditto	ditto	135.44	ditto			
	Bodah ...	ditto	Not recd.	129.51	20th Dec.			
	Buxa ...	ditto	ditto	221.08	ditto			
	Titalya ...	ditto	ditto	132.83	ditto			
Julpigoree ...	Guarior ...	ditto	ditto	88.16	ditto	From 15th June.		
	Dangra Jhar ...	ditto	ditto	103.85	ditto	ditto		
	Bamundanga ...	ditto	ditto	101.78	ditto	From 22nd June.		
	Phoolbary ...	ditto	ditto	127.73	ditto	ditto		

DIVISION.	DISTRICTS.	STATIONS.	Rain from 14th Dec. to 30th Dec. 1879.	Rain from 31st Dec. to 27th Dec. 1879.	RAIN FROM 1ST JANUARY 1879.		REMARKS.	
					Inches.	Up to date.		
BENGAL—continued.								
Dacca.	CENTRAL DISTRICTS.—contd.		Inches.	Inches.		1879.		
	Cooch Behar Tributary States	Cooch Behar ...	Nil.	Nil.	142.94	27th Dec.		
		Dinhatia ...	ditto	ditto	125.89	ditto		
		Mathabhanga ...	ditto	ditto	140.35	ditto		
		Mickligunge ...	ditto	ditto	133.06	ditto		
	Eastern Districts.	Dacca { Telegraph Office ...	ditto	ditto	60.84	ditto		
		Dacca { Hospital ...	ditto	ditto	74.80	ditto		
		Moonsheegunge ...	ditto	ditto	89.08	ditto		
		Manickgunge ...	ditto	ditto	60.28	ditto		
	Furzedpore	Furzedpore ...	ditto	ditto	64.90	ditto		
		Goalundo ...	ditto	ditto	63.61	ditto		
Madaripore ...		ditto	ditto	42.02	ditto			
Backergunge	Burrisal ...	ditto	ditto	55.63	ditto			
	Perzepore ...	ditto	ditto	68.55	ditto			
	Patoakhally ...	ditto	ditto	94.80	ditto			
	Bhola ...	ditto	ditto	85.45	ditto			
Mymensingh	Mymensingh ...	0.01	ditto	80.77	ditto			
	Jamulpore ...	Nil.	ditto	94.12	ditto			
	Atia ...	ditto	ditto	51.50	ditto			
	Kishoregunge ...	ditto	ditto	84.91	ditto			
Chittagong	Chittagong { Telegraph Office ...	ditto	ditto	103.46	ditto			
	Chittagong { Jail ...	ditto	ditto	95.81	ditto			
	Cox's Bazar ...	0.81	ditto	158.35	ditto			
Chittagong.	Noakholly	Noakholly ...	Nil.	ditto	115.88	ditto		
		Fenny ...	ditto	ditto	126.05	ditto		
	Tipperah	Commillab ...	ditto	ditto	80.30	ditto		
		Chandpore ...	ditto	ditto	76.77	ditto		
		Brahmunbariah ...	ditto	ditto	71.17	ditto		
	Chittagong Hill Tracts.	Rungamtee Hill ...	ditto	ditto	97.71	ditto		
		Ruma ...	Not recd.	Not recd.	110.94	13th Dec.		
	Hill Tipperah	Agartola ...	Nil.	Nil.	75.68	27th Dec.		
	BEHAR.							
	PATNA.	Patna	Patna ...	ditto	ditto	44.73	ditto	
			Behar ...	ditto	ditto	42.84	ditto	
Barh ...			ditto	ditto	53.16	ditto		
Dinapore ...			ditto	ditto	42.34	ditto		
Gya		Gya ...	ditto	ditto	44.51	ditto		
		Nowadah ...	ditto	Not recd.	24.57	20th Dec.		
		Aurangabad ...	ditto	Nil.	58.91	27th Dec.		
		Jehanabad ...	ditto	ditto	47.23	ditto		
Shahabad		Arrah ...	ditto	ditto	46.87	ditto		
		Basseram ...	ditto	ditto	62.60	ditto		
		Buxar ...	ditto	ditto	51.73	ditto		
	Bhuboah ...	ditto	ditto	57.27	ditto			
Muzafferpore	Muzafferpore ...	ditto	ditto	60.39	ditto			
	Hajeehpore ...	ditto	ditto	43.47	ditto			
	Seetamurhee ...	ditto	ditto	66.05	ditto			
	Darbhanga	Darbhanga ...	ditto	ditto	62.97	ditto		
Mudhoobannee ...		ditto	ditto	63.85	ditto			
Tajpore ...		ditto	ditto	68.66	ditto			
Saras	Chupra ...	ditto	ditto	49.60	ditto			
	Sewan ...	ditto	ditto	51.62	ditto			
	Gopalgunge ...	ditto	ditto	55.77	ditto			
Champaran	Motiharee ...	ditto	ditto	55.70	ditto			
	Bettiah ...	ditto	ditto	61.58	ditto			
	Segowlee ...	ditto	ditto	60.33	ditto			
Monghyr	Monghyr ...	ditto	ditto	64.82	ditto			
	Begooneral ...	ditto	ditto	36.47	ditto			
	Jamooee ...	ditto	ditto	38.09	ditto			
Bhagulpore	Bhagulpore ...	ditto	ditto	51.05	ditto			
	Sooopol ...	ditto	ditto	77.24	ditto			
	Muddehpooora ...	ditto	ditto	67.31	ditto			
	Banka ...	ditto	ditto	49.04	ditto			
	Sonburna ...	ditto	ditto	68.20	ditto			
Purneah	Purneah ...	ditto	ditto	131.30	ditto			
	Kisengunge ...	ditto	ditto	72.44	ditto			
	Arrareah ...	ditto	ditto	62.35	ditto			
Southal Pergunnahs...	Nya Doomba ...	0.01	ditto	61.40	ditto			
	Rajmehal ...	Nil.	ditto	69.55	ditto			
	Deoghur ...	ditto	ditto	44.11	ditto			
	Jamtara ...	ditto	ditto	37.05	ditto			
	Pakour ...	ditto	ditto	70.22	ditto			
	Godda ...	ditto	ditto	65.20	ditto			

DIVISION.	DISTRICTS.	STATIONS.	Rain from 14th to 20th Dec. 1879.	Rain from 21st to 27th Dec. 1879.	RAIN FROM 1st JANUARY 1879.		REMARKS.	
					Inches.	Up to date		
Orissa.	Cuttack	Cuttack	Nil.	Nil.	60.02	27th Dec.	Not received 30th Nov. to 6th Dec.	
		Jaypore	ditto	ditto	48.09	ditto		
		Kendraparab	ditto	ditto	44.55	ditto		
		Jagatsingpore	ditto	ditto	24.88	ditto		
		False Point	ditto	ditto	62.13	ditto		
	Poores	Poores	ditto	ditto	53.40	ditto	Ditto 9th to 15th Nov.	
		Kharadab	ditto	ditto	63.40	ditto		
		Banpore	ditto	ditto	37.06	20th Dec.		
	Balasore	Balasore	ditto	ditto	40.02	27th Dec.	From 9th March, and not recd. 15th to 21st Nov.	
		Bhadraek	ditto	ditto	49.33	ditto		
		Jellasore	ditto	ditto	43.81	ditto		
		Sorab	ditto	ditto	40.35	ditto		
		Chandbally	ditto	ditto	67.63	ditto		
	Barcupudda	ditto	ditto	39.64	ditto			
	Cuttack Tributary Mohals.	Sumbalporo	ditto	Not recd.	78.64	20th Dec.		
	CHOTA NAGPORE.							
	SOUTH-WESTERN FRONTIER AGENCY.							
	Hasareebagh	Hasareebagh	{ Jail	ditto	ditto	44.35	ditto	
			{ Dispensary	ditto	ditto	44.69	ditto	
		Pachamba		ditto	ditto	52.70	ditto	
		Sitagurh		ditto	ditto	46.53	ditto	
	Lohardugga	Mowdie Hills		ditto	ditto	52.71	ditto	
		Ranchee		ditto	Nil.	48.76	27th Dec.	
	Singbhoom	Palamow		ditto	ditto	44.03	ditto	
		Chyebassa		ditto	ditto	47.67	ditto	
	Maubhoom	Parulia		ditto	ditto	34.68	ditto	
		Govindpore		ditto	ditto	58.68	ditto	
	ASSAM & ADJA. CENT HILLS.							
	Sylhet	Sylhet		ditto	ditto	160.09	ditto	
		Sibsagar		ditto	Not recd.	105.76	20th Dec.	
	Burmah	Golaghat		ditto	ditto	75.22	ditto	
		Jorhat		ditto	ditto	70.42	ditto	
	Rajpootana	Akyab		1.19	0.01	223.74	27th Dec.	
		Alwar		Nil.	Not recd.	39.01	20th Dec.	
		Jaipur		ditto	ditto	31.61	ditto	
		Sambhar		ditto	ditto	22.94	ditto	

METEOROLOGICAL OFFICE, BENGAL,
The 3rd January 1880.

JOHN ELIOT,
Meteorological Reporter to the Govt. of Bengal.

Meteorological Telegraphic Report for the period 28th to 31st December 1879.

STATIONS.	Date.	Hour.	Baro- meter reduced to 32°.	Baro- meter reduced to sea- level.	HYGRO- METRE.		Humidity Sat. = 100.	WIND.		Rain.	Weather remarks.	
					Dry.	Wet.		Directions.	Velocity.		At hour of observation.	For preceding 24 hours.
ALIPORE.	Dec. 28th	10	30.041	30.003	70.7	67.5	61	W.	1.5	...	.....	Fine clear weather.
			29.880	29.908	78.7	64.0	41	W S W	1.0	...	.....	Ditto.
	29th	10	30.084	30.003	69.7	63.5	60	W N W	3.5	...	.....	Ditto.
			29.848	29.870	77.7	63.5	42	N N W	7.5	...	.....	Ditto.
	30th	10	30.005	30.028	65.8	67.5	66	N	6.0	...	.....	Ditto.
			29.893	29.916	69.7	68.5	47	N	8.2	...	.....	Ditto.
SACON ISLAND.	31st	10	30.041	30.064	64.8	65.5	62	N	2.5	...	.....	Fine weather, with passing clouds.
			29.900	29.922	69.7	64.5	32	W N W	0.2	...	.....	Fine clear weather.
	Dec. 28th	10	30.041	30.047	70.4	67.9	58	N W	3	...	.....	Foggy.
		16	29.910	29.916	74.9	67.9	68	S W	8	...	.....	Fine clear weather.
	29th	10	30.011	30.017	73.9	72.4	63	W N W	5	...	Fog	Foggy.
		16	29.868	29.874	78.4	66.4	57	N N E	8	...	.....	Fine clear weather.
	30th	10	30.016	30.022	65.4	68.8	63	N	9	...	.....	Ditto.
		16	29.912	29.918	69.4	60.3	56	N	16	...	.....	Ditto.
	31st	10	30.045	30.051	63.9	66.8	63	N N E	7	...	.....	Ditto.
		16	29.901	29.927	68.4	67.8	49	N	12	...	.....	Ditto.
CHITTAGONG.	Dec. 28th	10	29.952	30.046	67.8	63.0	75	N	1	...	.....	Foggy.
	29th	10	29.903	29.990	68.8	63.5	74	E N E	1	...	.....	Fine clear weather.
	30th	10	29.890	29.902	63.8	64.5	74	E N E	1	...	.....	.....
	31st	10	29.913	30.008	68.0	59.0	80	Calm	1	...	Foggy	Foggy.
AKYAB.	Dec. 28th	10	29.962	29.984	71.2	65.6	72	N E	1	...	.....	Fine clear weather.
	29th	10	29.896	29.920	70.5	65.6	75	E N E	1	...	.....	Ditto.
	30th	10	29.854	29.866	71.3	65.0	72	N	1	...	.....	Ditto.
	31st	10	29.913	29.935	70.8	64.6	70	N	...	...	.....	Ditto.
FAIRFOLD POINT.	Dec. 28th	10	30.028	30.040	71.2	65.4	74	Calm	5	...	.....	Ditto.
	29th	10	29.985	30.007	70.0	67.4	59	W	5	...	.....	Ditto.
	30th	10	30.000	30.015	70.9	62.5	60	N N E	7	...	.....	Ditto.
	31st	10	30.030	30.048	68.0	64.0	69	N	13	...	.....	Ditto.
VIRAGAPATAN.	Dec. 28th	10	30.905	30.037	73.0	66.0	67	E N E	1	...	.....	Fine weather, with passing clouds.
	29th	10	29.901	30.024	73.0	65.5	65	N W	1	...	.....	Fine clear weather.
	30th	10	29.957	29.960	74.5	65.0	67	W N W	1	...	.....	Ditto.
	31st	10	29.975	30.008	73.0	64.0	68	E N E	2	...	.....	.....
COLOMBO.	Dec. 28th	10	29.910	29.951	80.0	77.0	67	N E	14	...	.....	Fine weather, with passing clouds.
	29th	10	29.898	29.879	80.5	75.5	78	N N E	14	...	.....	Ditto ditto.
	30th	10	29.853	29.894	80.0	75.0	78	N	13	0.05	.....	Ditto ditto.
	31st	10	29.873	29.914	78.5	76.0	89	N E	10	...	.....	Ditto ditto.

• Velocity of wind in miles per hour.

CALCUTTA,
The 3rd January 1880.JOHN ELIOT,
Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from
28th December 1879 to 3rd January 1880.

Month.	Date.	Maxima in sun.	Mean pressure barometer at 32° Fah.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1879.		☉	Inches.	☉	☉	☉	☉	☉	Inches	☉	%			Inches.	
Dec.	28th	185.1	29.941	65.9	75.8	24.0	54.8	60.3	0.452	50.1	71	Till 7.30 P.M. W by S, till midnight S.	27	Nil	Clear, f & w.
"	29th	129.9	.905	67.8	78.4	22.1	56.3	61.4	.406	57.0	69	Till 8 A.M. S, till midnight N N W through S W, W and N W.	78	...	Clear, f & w.
"	30th	126.4	.945	60.0	72.5	16.2	56.3	56.4	.397	52.6	74	Chiefly N N W. ...	100	...	Clear, f & w.
"	31st	129.7	.960	59.7	70.2	16.0	53.3	53.2	.321	46.8	62	Till 1 P.M. chiefly N N W, till midnight W N W through N W.	77	...	Chiefly clear f & w.
1880.															
Jan.	1st	192.4	.934	61.1	72.5	21.2	51.3	55.6	.373	50.8	70	Till 2.30 A.M. W N W, till 9 A.M. N N W through N W, till midnight N by W	55	...	Chiefly clear f & w.
"	2nd	113.7	.881	64.0	71.4	15.1	56.3	59.3	.432	54.8	70	Till 9 A.M. N by W, till midnight N by E.	83	...	Cloudy, o, g, & w.
"	3rd	93.7	.841	66.0	70.6	6.3	64.3	62.2	.503	53.1	77	Chiefly N by E and N by W.	139	...	Cloudy, o, g, & d.

The mean pressure of the seven days ... 29.915
 The average pressure of the corresponding period for 24 years S. G. Office ... 80.030

☉
 The mean temperature of the seven days ... 63.8
 The average temperature of the corresponding period for 24 years S. G. Office ... 66.9
 The extreme variation of temperature during the seven days ... 27.5
 The maximum temperature during the seven days ... 78.8

%
 The mean relative humidity during the seven days ... 70
 The average relative humidity of the corresponding period for 24 years S. G. Office ... 71

Inches.
 The total fall of rain from 28th December 1879 to 3rd January 1880 ... Nil.
 The average fall of the corresponding period for 24 years S. G. Office ... Nil.
 The total fall from 1st January 1879 to 3rd January 1880 ... 43.51
 The average fall of the corresponding period for 24 years S. G. Office ... 61.64

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h., and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

f fog, w dew, o overcast, g gloomy, d drizzling.

Inches.
 Total fall of rain in the year 1879 ... 43.51
 Average fall of the corresponding period for 24 years, S. G. Office ... 61.64

METEOROLOGICAL OFFICE, INDIA,
 The 5th January 1880.

HENRY F. BLANFORD,
 Meteorological Reporter to the Government of India.

GOVERNMENT OF BENGAL.
PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR 1879-80.

Areas leased for Irrigation up to end of October 1879.

[illegible]

The 6th January 1880.

D. B. HORN,
Asst. Secy. to the Govt. of Bengal,
P. W. Dept., Irrigation Branch.

SUPPLEMENT TO THE CALCUTTA GAZETTE, JANUARY 7, 1880.

Weekly Return of Traffic Receipts on Indian Railways.

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 20th December 1879 on 171½ miles open.

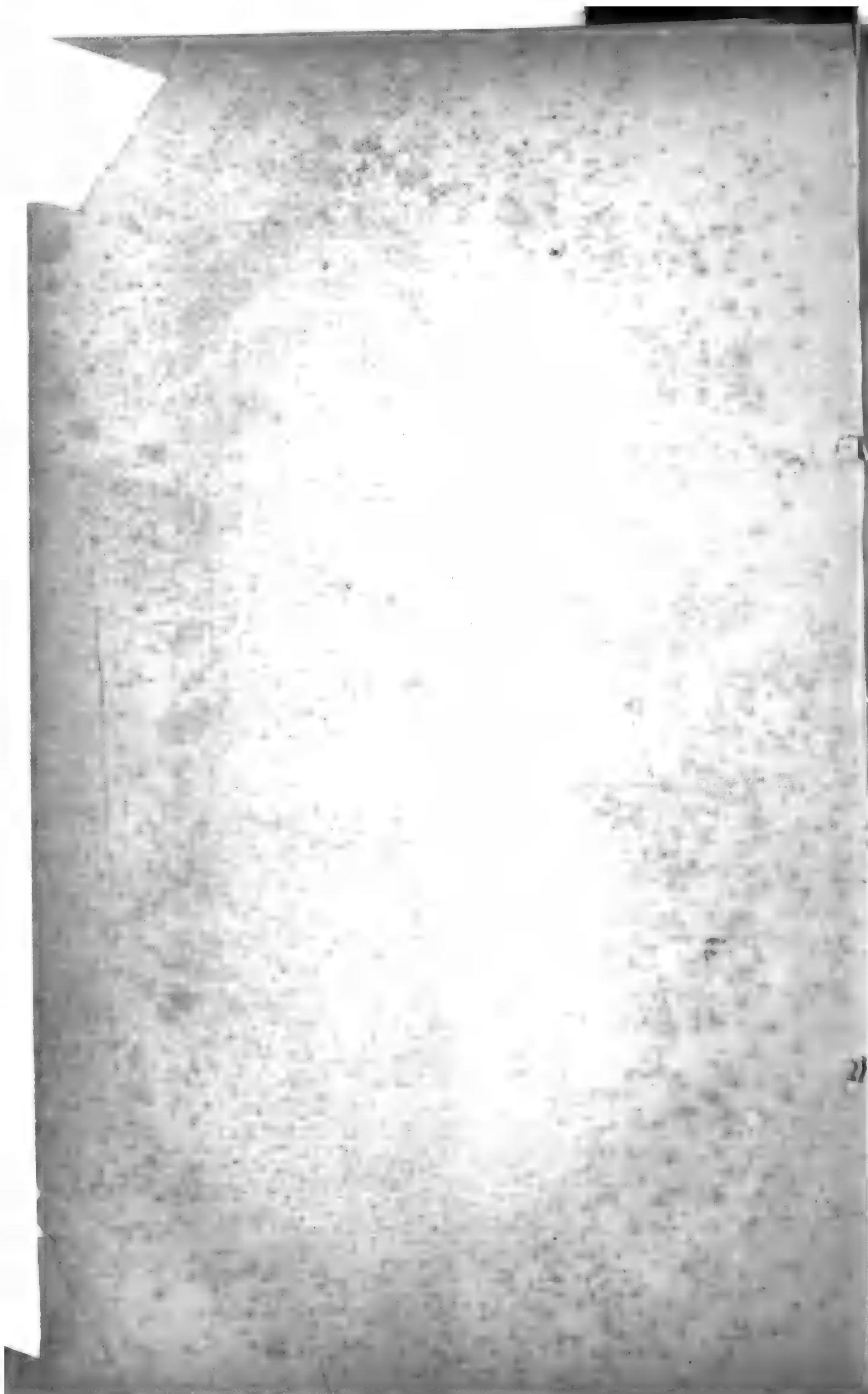
	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			Total receipts.
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			
		Rs. A. P.	£ s. d.	Mds. a.	Rs. A. P.	£ s. d.	C s. d.
Total traffic for the week	31,029	20,556 0 0	2,444 6 0	2,00,000 0	55,313 0 0	4,126 7 2	7,580 13 2
Or per mile of railway	185	124 9 11	14 3 0	1,033 4	325 8 9	24 18 10	44 0 4
For previous 26 weeks of half-year	830,131	5,92,526 11 6	53,395 10 0	56,43,665 0	15,45,406 11 0	141,065 0 6	195,020 11 2
Total for 26 weeks	890,160	6,00,082 11 5	55,829 10 0	59,24,156 0	15,61,319 11 0	146,790 7 8	202,020 4 5
COMPARISON.							
Total for corresponding week of previous year	30,118	28,201 15 3	2,635 3 7	1,40,664 20	31,804 3 6	3,190 7 9	4,775 11 4
Per mile of railway cor. week of previous year	240	177 10 6	16 6 8	942 31	219 5 4	20 2 0	26 7 8
Total to corresponding date of previous year	970,024	6,41,058 8 2	59,363 14 4	48,99,573 27	11,83,369 5 5	136,435 13 0	195,804 7 4

BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

No. 48.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1879.	Total decrease in 1879.
			30th Nov. 1878.	29th Nov. 1879.	To 30th Nov. 1878.	To 29th Nov. 1879.		
1879.		Miles	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
29th November	Northern Bengal	230	14,501 0 0	30,586 0 0	8,10,240 0 0	11,69,593 0 0	3,59,353 0 0	.....
29th ditto	Tirhoot	70	11,365 0 0	3,596 0 0	5,99,656 0 0	4,02,444 0 0	7,390 0 0	.....
19th December	Calcutta and South-Eastern	24	2,169 0 0	3,523 0 0	1,15,233 0 0	1,20,162 0 0	5,229 0 0	.....
29th November	Nailati	27½	1,475 0 0	1,617 0 0	82,999 0 0	85,544 0 0	965 0 0	.....
29th ditto	Patna and Gya	57	.....	10,660 0 0	.....	1,02,285 0 0	1,02,285 0 0	.....
	Total	418½	29,433 0 0	55,151 0 0	14,08,147 0 0	19,68,249 0 0	5,60,083 0 0	.....





SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JANUARY 14, 1880.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 10th January 1880.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.			
<i>Western Districts.</i>			
1	Burdwan, Jan. 10 '80	Nil	Weather—seasonable. <i>Rubbee</i> crop less than an average in area, but doing well, except in Raneegeunge. Rain everywhere wanted. Health good.
2	Bankoora, „ 10 „	Nil	Weather—fair and bright. Maximum reading in shade 70·5°. Thrashing of <i>aman</i> in progress. Mustard, cotton, wheat, barley, sugarcane, <i>soorgooja</i> , &c being artificially irrigated and doing well. Cholera broken out in outpost Chhatna and in village Balshi in Bishenpore sub-division; otherwise health good.
3	Heerbhoom, „ 10 „	Nil	Weather—seasonable. Harvest complete. Few crops on ground promise well. Foot and mouth disease among cattle in north-west of district. Cholera decreasing.
4	Midnapore, „ 10 „	Nil	Weather—seasonable. State and prospects of crops generally favorable. Reaping of paddy almost finished.
5	Hooghly, „ 10 „	Nil	Weather—rather warm for the season during early part of week, but has become cold. Wind from north. <i>Rubbee</i> crops and vegetables promise well. Fever abated. A few cases of small-pox in Serampore and Pandooah stations.
	Howrah, „ 12 „	Nil	Weather—sensibly warmer, but fine. All cold-weather crops look well. Rice harvest finished in higher parts of district; some still uncut in lower parts. Health good. Prices inclined to fall.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL—(Continued.)			
Central Districts.			
PRESIDENCY DIV.	6 24-Pergunnahs, Jan. 10 '80	Nil	Weather—cloudy during early part of week. Cold. Major portion of <i>amun</i> reaped. Prospects of winter crops good. Health generally good; some few cases of cholera and small-pox reported.
	7 Nuddea, .. 10 .. Kooshtea	Nil 0 17	Weather—fine and seasonable. Winter crops doing well. Rain wanted for wheat and oats. <i>Kalai</i> and <i>moong</i> being harvested.
	8 Jessore, .. 10 ..	0 06	Weather—cool and seasonable. <i>Amun</i> nearly harvested. Prospects of winter crops good. Cholera in Magoora and Bagirhat disappearing.
	9 Moorsshedabad, .. 10 ..	Nil	Weather—seasonable. <i>Rubbee</i> crops doing well. Fever in a mitigated form still prevalent in thana Burwa. Cases of cholera still in Berhampore town, but none fatal.
RAJSHAHY AND COCH BEHAR DIV.	10 Dinagepore, Jan. 9 '80	Nil	Weather—seasonable. Winter rice nearly all cut. A very good outturn. Coarse rice 20 seers per rupee. <i>Rubbee</i> sowings doing well. Sporadic cases of cholera reported from some thanas.
	11 Rajshahye, .. 10 ..	Nil	Paddy-cutting fast proceeding. Outturn more than an average. <i>Rubbee</i> crops thriving. Harvesting of <i>maskalai</i> going on. New common rice continues 16 seers per rupee.
	12 Rangpore, .. 9 .. Gaibanda	Nil 0 15	Weather—seasonable. Outturn of <i>amun</i> favorable. Winter crops promising. Public health good.
	13 Bogra, .. 10 ..	Nil	Weather—cold. Now and then cloudy. About three-fourths of <i>amun</i> and half of pulses gathered in. Other crops doing well.
	14 Pabna, .. 10 ..	0 10	Weather—fine. Spring crops doing well. Public health fair. Cholera abated.
	15 Darjeeling, .. 10 ..	Slight rain, not sufficient to be gauged	Sky very cloudy and air cold, threatening rain or snow. In Terai, cutting of <i>haimanti dhan</i> still going on; <i>til</i> and mustard being gathered in; land being cultivated for <i>bhador dhan</i> . In Hills, wheat, barley, and mustard in fields, and prospects favorable.
	16 Julpigoree, .. 10 ..	Nil	Weather—very cloudy. Every appearance of rain; temperature high for time of year. About 14 annas of <i>haimanti dhan</i> cut. Winter crops promising.
	Coch Behar, .. 8 .. Dinbatta Mathabhanga	Nil 0 01 0 11	Weather—Not so cold as in previous week. Mornings beginning to be foggy. Cutting of late rice nearly finished. Price of rice risen to Rs. 1-12. Prospects of cold-weather crops continue good. Small-pox here and there.
Eastern Districts.			
DACCA DIV.	17 Dacca, Jan. 10 '80 Moonsbigunge (for week ending 8th Jan.)	0 12 0 03	Weather—cold. Cold-weather crops promising well. Public health good.
	18 Furreedpore, .. 10 ..	Nil	Weather—fair and seasonable. Crops good. Health also good. Cholera and small-pox abated.
	19 Backergunge, .. 8 ..	0 29	Weather—cloudy, with slight rain in former part of week. Rain damaged reaped crops in places; otherwise prospects excellent. A good deal of fever about.
	20 Mymensingh, .. 9 ..	0 08	A little rain in all parts of district. State and prospects of crops good.
	21 Tipperah, .. 9 .. Brahmubbariah Chandpore	0 08 0 43 0 20	Weather—cloudy on several days of week. One or two slight showers of rain. <i>Amun</i> reaped. Outturn everywhere good. Winter crops doing well.
CHITTAGONG DIV.	22 Chittagong, Jan. 13 '80	Nil	Weather—fair. Harvesting of <i>amun</i> completed. Cold-weather crops progressing. Cholera in cyclone tract decreasing.
	23 Noakholly, .. 8 ..	0 80	First part of week cloudy with rain, latter part fair. Reaping of <i>amun</i> nearly over. Other crops progressing favorably.
	24 Chittagong Hill Tracts, .. 6 '79	1 60	Weather—rainy from 3rd to 5th. Now clear and bright. Cold-weather crops doing well. Prospects good. Cholera in Sungu sub-division abating.
	Hill Tipperah, .. 7 '79	0 80	Weather—cloudy and unsettled for greater part of week. State and prospects of crops satisfactory. Public health good.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.			
PATNA DIV.	25 Patna, Jan 10 '80	Nil	Weather—seasonable. State and prospects of crops good, but rain now wanted for <i>rubbee</i> crops.
	26 Gaya, „ 10 „	Nil	Weather—cold and seasonable. Maximum reading in shade 74.8°. Reaping of <i>aghani dhan</i> not yet completed. Prospects of <i>rubbee</i> crops favorable, but a good shower of rain would be very beneficial. A few cases of small-pox in Jehanabad sub-division. Health of plough-cattle good.
	27 Shahabad, „ 10 „	Nil	Weather—cold, but occasionally cloudy. Prospects of <i>rubbee</i> crops continue promising, and would have been still further improved by a good shower. New <i>goor</i> coming into market. Harvesting of <i>aghani</i> completed. Public health good.
	28 Durbhanga, „ 10 „	Nil	Weather—foggy and seasonable. Threshing of <i>aghani</i> crop in progress. <i>Rubbee</i> continues favorable. Prices stationary. Public health good.
	29 Mozufferpore, „ 10 „	Nil	Weather—cold and fine. Prospects of <i>rubbee</i> crops excellent.
	30 Sarun, „ 10 „	Nil	Weather—fine, cold, and seasonable; west wind prevailing. Prospects of cold-weather crops generally favorable; but rain wanted. In some places they are irrigated. Wheat and barley in ears. Sugarcane still being cut. Prices stationary. Public health good.
BAGULPORE DIVISION.	31 Chamearun, „ 10 „	Nil	Weather—fine and cold; foggy in mornings. Crops all very good.
	32 Monghyr, Jan 10 „	Nil	Weather—cold and clear. <i>Rubbee</i> prospects excellent.
	33 Bhagulpore, „ 10 „	Nil	Weather—seasonably cold. Harvesting of paddy nearly completed. <i>Rubbee</i> prospects good. Public health generally good. A few cases of small-pox here and there.
	34 Purneah, „ 10 „	Nil	Weather—seasonable. <i>Rubbee</i> crops promise well.
	35 Maidah, „ 10 „	Nil	Weather—clear and cold, but not so cold as usual at this time of year. <i>Kalai</i> nearly all gathered. Crops in field doing well. Prices stationary. Public health good.
	36 Sonthal Pergah, „ 10 „	Nil	Weather—seasonable. State and prospects of crops good.
ORISSA.			
ORISSA DIV.	37 Cuttack, Jan 10 '80	0.03	Weather—clear and cold. Rice being harvested. Winter crops favorably reported. <i>Moong</i> being harvested. Mustard in pods. Fever and small-pox still prevalent. Common rice 15½ to 21 seers the rupee.
	38 Pooree, „ 8 „	0.11	Weather—seasonable. <i>Sarad</i> rice being harvested. <i>Dalua</i> crop doing well. Sugarcane being pressed. Cold-weather crops continue good. Rice being exported to Madras Presidency on Chilka Lake. Mango blossoms have appeared. A few cases of small-pox this week. Prices stationary.
	39 Balasore, „ 9 „	0.07	Weather—at commencement of week cloudy, afterwards bright and clear. Late rice harvest progresses. Crops in good condition. Public health fair.
CHOTA NAGPORE.			
South-West Frontier Agency.			
40	Hazareebagh, Jan. 9 '80	Nil	Cool mornings and evenings; bright, sunshiny and cloudless days with north-west wind. <i>Dhan</i> still being cut; <i>rubbee</i> prospects favorable. Slight shower at Pachunba. Public health good, except a local outbreak of small-pox.
41	Lohardugga, „ 10 „	Nil	Weather—warm, with high wind from south-west. <i>Rubbee</i> prospects continue good, but would be improved by rain which is much wanted. Few cases of small-pox reported here and there. General health otherwise good.
42	Singbhoom, „ 9 „	Nil	Weather—seasonable. State and prospects of crops favorable.
43	Manbhoom, „ 10 „	Nil	Weather—clear and bright. Mornings cool. Days getting warmer. Paddy harvested. <i>Kurthi</i> , <i>til</i> and <i>soorgooja</i> also harvested. Gram, mustard, wheat, barley, sugarcane and cotton still to be harvested. Prospects good.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,
The 13th January 1880.A. MACKENZIE,
Secy. to the Govt. of Bengal.

Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISIONS	DISTRICTS	STATIONS.	Rain from 21st to 27th Dec. 1879.	Rain from 28th to 31st Dec. 1879.	RAIN FROM 1ST JANUARY 1879.		REMARKS	
					Inches.	Up to date		
BENGAL.								
BURDWAN.	WESTERN DISTRICTS.		Inches.	Inches	1879			
	Burdwan	Burdwan	Nil.	Nil.	41.00	31st Dec.		
		Cutwa	ditto	ditto	41.00	ditto		
		Culna	ditto	ditto	51.58	ditto		
		Raneegunge	ditto	ditto	30.37	ditto		
	Bankura	Bankura	ditto	ditto	47.80	ditto		
		Bishenpore	ditto	ditto	13.91	ditto	From 30th August.	
	Meerbhoom	Sooree	ditto	ditto	40.03	ditto		
		Hetampore	ditto	ditto	51.44	ditto		
		Roypur	ditto	ditto	35.20	ditto		
		Rampore Hant	ditto	ditto	50.13	ditto		
	Midnapore	Midnapore	ditto	ditto	38.00	ditto		
		Tumiook	Not recd.	ditto	33.85	ditto	Not received 21st to 27th Dec., and 7th to 13th Nov.	
		Ghatal	Nil.	ditto	34.51	ditto		
		Contail { Dy. Collr.'s Office Exe. Engr.'s Office	Not recd.	ditto	48.51	ditto	Not received 21st to 27th Dec.	
	Hooghly	Hooghly	ditto	Nil	41.43	31st Dec.		
		Serampore	ditto	ditto	41.70	ditto		
		Jehanabad	ditto	ditto	50.41	ditto		
	Howrah	Howrah	ditto	ditto	43.35	ditto		
		Maheshrak	ditto	ditto	34.47	ditto		
	PASCHIMOT.	CENTRAL DISTRICTS.						
24-Pergunnahs		Saugor Island	ditto	ditto	50.08	ditto		
		Alipore { Observatory Dispensary Jail	ditto	ditto	40.53	ditto		
			ditto	ditto	43.85	ditto		
			ditto	ditto	44.67	ditto		
		Busseerhat	ditto	ditto	40.35	ditto		
		Baraset	ditto	ditto	41.35	ditto		
		Diamond Harbour	ditto	ditto	41.02	ditto		
		Barripore	ditto	ditto	47.05	ditto		
		Satkhira	ditto	ditto	41.80	ditto		
		Barrackpore	ditto	ditto	42.00	ditto		
		Dum-Dum	ditto	ditto	48.04	ditto		
Nuddes		Kishnaghur	ditto	ditto	51.03	ditto		
		Borgong	ditto	ditto	47.20	ditto		
		Meherpore	ditto	ditto	50.80	ditto		
		Choodanga	ditto	ditto	77.05	ditto		
		Kooshtea	ditto	ditto	00.07	ditto		
		Ranaghat	ditto	ditto	53.54	ditto		
		Jessore	ditto	ditto	50.54	ditto		
		Narail	ditto	ditto	42.30	ditto		
		Khoolna	ditto	ditto	60.91	ditto		
		Jhenidab	ditto	ditto	03.23	ditto		
Jessore		Bagirhat	ditto	ditto	44.74	ditto		
		Magoorah	ditto	ditto	50.25	ditto		
		Berhampore	ditto	ditto	02.30	ditto		
		Lalbagh	ditto	ditto	59.79	ditto		
		Moorshedabad	Jungpore	ditto	ditto	00.50	ditto	
			Azimungo	ditto	ditto	54.15	ditto	
			Lalgolla	ditto	ditto	03.40	ditto	
			Kandee	ditto	ditto	05.07	ditto	
		Dinapore	Dinapore	ditto	ditto	00.80	ditto	
			Raigunge	ditto	ditto	02.84	ditto	
Mohadehpore	ditto		ditto	01.76	ditto			
Chooramon	ditto		ditto	00.85	ditto	From 9th March.		
Maldah	Maldah	Not recd.	ditto	70.50	ditto	Not received 21st to 27th Dec.		
	Chanchal	ditto	ditto	75.41	ditto	ditto		
Rajshahye	Bauleah	Nil.	ditto	00.88	ditto			
	Nattore	ditto	ditto	00.50	ditto			
Rungpore	Rungpore	ditto	ditto	100.08	ditto			
	Bhabanigunge	ditto	ditto	70.64	ditto			
	Kurigram	ditto	ditto	57.73	ditto			
	Bagdogra	ditto	0.12	120.80	ditto			
Hogra	Hogra	ditto	Nil.	71.70	ditto			
	Sherpur	ditto	ditto	00.08	ditto			
	Nowkhilla	ditto	ditto	04.15	ditto			
	Panchbibi	ditto	ditto	78.45	ditto			
Pubna	Pubna	ditto	ditto	54.09	ditto			
	Serajungo	ditto	ditto	70.50	ditto			
Darjeeling	Darjeeling { Telegraph Office Hospital	ditto	0.23	152.00	ditto			
	ditto	ditto	0.23	100.92	ditto			
COCH BHAR.	Julpigore	ditto	0.04	135.48	ditto			
	Bodah	ditto	Not recd.	120.61	27th Dec.			
	Busa	ditto	Nil.	22.08	31st Dec.			
	Titalya	ditto	0.15	132.08	ditto			
	Gangor	ditto	Not recd.	83.10	27th Dec.	From 15th June.		
	Dangra Jhar	ditto	ditto	103.35	ditto	ditto		
	Haimundanga	ditto	ditto	101.78	ditto	From 22nd June.		
	Phoolbary	ditto	0.04	127.77	31st Dec.	ditto		

DIVISION.	DISTRICTS.	STATIONS.	Rain from 21st to 27th Dec. 1879.	Rain from 28th to 31st Dec. 1879.	RAIN FROM 1st JANUARY 1879.		REMARKS.	
					Inches.	Up to date.		
BENGAL—continued.								
	CENTRAL DISTRICTS.—contd.		Inches.	Inches.		1879.		
Dacca.	Cooch Behar Tributary States	Cooch Behar	Nil.	0.12	143.08	31st Dec.		
		Dinhat	ditto	0.01	125.83	ditto		
		Mathabhanga	ditto	0.11	140.18	ditto		
		Mickligunge	ditto	Nil.	133.00	ditto		
	Eastern Districts.	Dacca	{ Telegraph Office	ditto	ditto	60.94	ditto	
			{ Hospital	ditto	ditto	71.80	ditto	
			Moonsheegunge	ditto	ditto	59.8	ditto	
			Manickgunge	ditto	ditto	6.28	ditto	
	Furzedpore	Furzedpore	ditto	ditto	61.90	ditto		
		Goalundo	ditto	ditto	63.61	ditto		
		Madaripore	ditto	ditto	42.02	ditto		
	Backergunge	Burrial	ditto	ditto	55.03	ditto		
		Perozepore	ditto	ditto	60.57	ditto		
		Patookhally	ditto	ditto	54.80	ditto		
		Bhola	ditto	ditto	56.45	ditto		
Mymensingh	Mymensingh	ditto	ditto	80.77	ditto			
	Jamulpore	ditto	ditto	84.12	ditto			
	Atia	ditto	ditto	51.50	ditto			
	Kishoregunge	ditto	ditto	84.01	ditto			
Chittagong	Chittagong	{ Telegraph Office	ditto	ditto	103.48	ditto		
		{ Jail	ditto	ditto	95.31	ditto		
	Cox's Bazar	ditto	ditto	160.35	ditto			
CHITTAGONG.	Noakholly	Noakholly	ditto	ditto	115.89	ditto		
		Fenny	ditto	ditto	120.05	ditto		
	Tipperah	Commillab	ditto	ditto	80.30	ditto		
		Chandpore	ditto	ditto	78.77	ditto		
		Brahmunbariah	ditto	ditto	71.17	ditto		
	Chittagong Tracts.	Hill	Rungamatee Hill	ditto	ditto	97.71	ditto	
			Ruma	Not recd.	Not recd.	110.04	13th Dec.	
	Hill Tipperah	Agartola	Nil.	ditto	75.28	17th Dec.		
	BEHAR.							
	PATNA.	Patna	Patna	ditto	Nil.	44.73	31st Dec.	
Behar			ditto	ditto	42.84	ditto		
Barh			ditto	ditto	53.16	ditto		
Dinapore			ditto	ditto	42.35	ditto		
Gya		Gya	ditto	ditto	44.51	ditto		
		Nowadah	ditto	ditto	20.57	ditto		
		Anrungaabad	ditto	ditto	58.91	ditto		
		Jehanabad	ditto	ditto	47.23	ditto		
Shahabad		Arrah	ditto	ditto	40.87	ditto		
		Basserah	ditto	ditto	62.60	ditto		
		Buxar	ditto	ditto	51.73	ditto		
		Bhuboah	ditto	ditto	57.27	ditto		
Muzafferpore	Muzafferpore	ditto	ditto	60.39	ditto			
	Hajeeepore	ditto	ditto	44.47	ditto			
	Sectamurhee	ditto	0.15	60.20	ditto			
Darbhunga	Darbhunga	ditto	Nil.	62.07	ditto			
	Mudhoobunnee	ditto	0.05	59.93	ditto			
	Tajpore	ditto	Nil.	63.06	ditto			
Saran	Chupra	ditto	ditto	49.00	ditto			
	Sewan	ditto	ditto	51.62	ditto			
	Gopalgunge	ditto	0.10	65.87	ditto	Not recorded from 20th April to 24th May.		
Champaran	Motiharee	ditto	0.27	56.97	ditto			
	Bettiah	ditto	0.54	65.12	ditto			
	Segowlee	ditto	0.03	60.98	ditto			
Monghyr	Monghyr	ditto	Nil.	61.82	ditto			
	Begoeserai	ditto	ditto	38.47	ditto			
	Jamdoee	ditto	ditto	38.00	ditto			
Bhagulpore	Bhagulpore	ditto	ditto	51.05	ditto			
	Soopool	ditto	ditto	77.24	ditto			
	Muddehpooora	ditto	ditto	07.81	ditto			
	Banka	ditto	ditto	40.04	ditto			
	Soubursa	ditto	ditto	68.20	ditto			
Purneah	Purneah	ditto	ditto	131.33	ditto			
	Kissegunge	ditto	0.27	79.71	ditto			
	Arrareah	ditto	0.20	62.53	ditto			
BAGULPORE.	Sonthal Pergunnahs...	Nya Doomka	ditto	Nil.	61.40	ditto		
		Rajmehal	ditto	ditto	60.80	ditto		
		Deoghur	ditto	ditto	44.11	ditto		
		Jamtara	ditto	Not recd.	37.05	27th Dec.	Not received from 7th to 18th Dec.	
		Pakour	ditto	Nil.	70.22	31st Dec.		
		Godda	ditto	ditto	63.20	ditto		

DIVISION.	DISTRICTS.	STATIONS.	Rain from 21st to 27th Dec. 1879.	Rain from 28th to 31st Dec. 1879.	RAIN FROM 1ST JANUARY 1879.		REMARKS.	
					Inches.	Up to date.		
ORISSA.	Cuttack	Cuttack	Nil.	Nil.	60.02	31st Dec.	Not received 30th Nov. to 6th Dec. Ditto 9th to 16th Nov.	
		Jaypore	ditto	ditto	48.99	ditto		
		Kendraparah	ditto	ditto	44.55	ditto		
		Jagatsingapore	ditto	ditto	23.88	ditto		
		Faise Point	ditto	ditto	62.13	ditto		
	Pooree	Pooree	ditto	ditto	53.40	ditto	From 9th March, and not recd. 16th to 21st Nov.	
		Khurdab	ditto	ditto	61.89	ditto		
		Baspore	ditto	ditto	37.06	ditto		
	Balasore	Balasore	ditto	ditto	40.62	ditto		
		Bhadraek	ditto	ditto	49.33	ditto		
		Jellasore	ditto	ditto	43.81	ditto		
		Sorab	ditto	ditto	40.95	ditto		
		Chandbally	ditto	ditto	67.62	ditto		
		Bareepudda	ditto	ditto	39.84	ditto		
	Cuttack Tributary Mehals.	Sumbalpure	ditto	ditto	78.64	ditto		
	CHOTA NAGPORE.							
	SOUTH-WESTERN FRONTIER AGENCY.							
	Hazareebagh	Hazareebagh	{ Jail Dispensary	ditto	ditto	44.35	ditto	
		Pachamba		ditto	ditto	44.69	ditto	
		Sitagurb		ditto	ditto	52.70	ditto	
		Mowdie Hills		Not recd.	ditto	46.83	27th Dec.	
						52.71	20th Dec.	
	Lohardugga	Ranchee		Nil.	Nil.	48.70	31st Dec.	
		Palamor		ditto	ditto	41.03	ditto	
	Singbhoom	Chyebassa		ditto	ditto	47.67	ditto	
	Manbhoom	Purnia		ditto	Not recd.	34.58	27th Dec.	
		Govindpore		ditto	ditto	58.58	ditto	
ASSAM & ADJA- CENT HILLS.								
Sylhet	Sylhet		ditto	ditto	160.00	ditto		
Sibsagar	Sibsagar		ditto	Not recd.	105.70	ditto		
	Golaghat		ditto	ditto	75.22	ditto		
	Jorhat		ditto	ditto	70.42	ditto		
Burmah	Akyab		0.01	Nil.	223.74	31st Dec.		
Rajpootana	Alwar		0.24	0.60	29.71	ditto		
	Jaipur		0.65	Nil.	32.10	ditto		
	Sambhar		0.12	0.13	23.10	ditto		

METEOROLOGICAL OFFICE, BENGAL,
The 10th January 1880.

H. F. BLANFORD,
For Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 4th to 10th January 1880

Month.	Date	Maximum in sun.	Mean pressure barometer at 39° Fah.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1880.		☉	Inches	☉	☉	☉	☉	☉	Inches	☉	%.			Inches	
Jan.	4th	115.8	29.860	67.6	73.1	5.5	61.2	64.7	0.572	62.8	84	Till 6.45 A.M. N, till mid- night S by E.	7.0	Nil	Cloudy, o, g, & d.
"	5th	114.2	.913	67.7	77.2	13.2	64.0	61.4	.463	59.8	69	Till 3.30 A.M. N by E, till noon N, till midnight N W.	6.3		Morning cloudy, rest clear, o, g, f, & w.
"	6th	181.3	.917	63.6	76.2	23.2	53.0	57.9	.408	53.3	72	Till 9 A.M. N W, till noon N by W, till midnight W S W through S W & W.	3.9		Clear, f & w.
"	7th	132.4	.847	63.6	76.9	23.0	53.0	57.5	.404	53.0	71	Till 9.45 A.M. N W by W through W, till noon S W, till midnight W N W.	5.7		Clear, f & w.
"	8th	131.7	.844	62.8	76.1	24.0	51.2	56.1	.365	50.3	67	Till 10.30 A.M. W N W, till 8 P.M. W, till midnight W S W.	6.3		Clear, f & w.
"	9th	137.1	.820	63.6	77.9	25.7	52.2	57.1	.362	50.0	63	Till 11 A.M. W S W, till midnight W by S.	5.9		Clear, f & w.
"	10th	188.6	.831	68.6	79.6	28.5	51.3	56.4	.364	50.2	62	Till noon W by S, till mid- night S W.	6.2		Clear, f & w.

The mean pressure of the seven days ... 29.864
The average pressure of the corresponding period for 24 years S. G. Office ... 30.020

The mean temperature of the seven days ... 64.7
The average temperature of the corresponding period for 24 years S. G. Office ... 67.3
The extreme variation of temperature during the seven days ... 28.6
The maximum temperature during the seven days ... 79.8

The mean relative humidity during the seven days ... 70
The average relative humidity of the corresponding period for 24 years S. G. Office ... 71

The total fall of rain from 4th to 10th January 1880 ... Nil.
The average fall of the corresponding period for 24 years S. G. Office ... 0.11
The total fall from 1st to 10th January 1880 ... Nil.
The average fall of the corresponding period for 24 years S. G. Office ... 0.11

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h., and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling, f fog, w dew.

METEOROLOGICAL OFFICE, INDIA,
The 12th January 1880.

HENRY F. BLANFORD,
Meteorological Reporter to the Government of India.

**Abstract of the results of Meteorological Observations taken at Alipore
Observatory in the month of December 1879.**

	Inches.	Date.	Hour.
The mean pressure of the month	29.977		
The average pressure of 24 years	30.027		
The highest pressure during the month	30.115	22nd	10h.
The lowest pressure during the month	29.847	29th	16h.
The range of pressure during the month	0.268		
	0		
The mean temperature of the month	64.2		
The average temperature of 24 years	68.0		
The highest temperature during the month	79.1	16th & 27th	
The lowest temperature during the month	48.3	25th	
The range of temperature during the month	30.8		
The mean daily range of temperature during the month	19.7		
The greatest range of temperature in one day during the month	27.5	27th	
	%.		
The mean humidity during the month	71		
The average humidity of 24 years	71		
	Inches.		
The mean vapour tension during the month	0.433		
The average vapour tension of 9 years	0.476		
The mean cloud proportion of the month	2.25		
	Inches.		
The total rainfall of the month	0.41		
The average fall of 48 years	0.23		
The greatest fall in 24 hours	0.37	11th	
	Days.		
The number of rainy days in the month	2		
The average number of rainy days of 24 years	Nil.		
	0		
The mean maximum equilibrium temperature of solar radiation of the month	130.6		
The mean difference of sun and air temperatures	54.9		
The greatest sun temperature	142.1	4th	
The greatest excess of sun over air temperature	65.2	4th	
The mean temperature of nocturnal radiation thermometer in woollen cloth	45.9		
The mean depression of nocturnal radiation thermometer below the minimum of air	10.2		
The greatest depression of nocturnal radiation thermometer below the minimum of air	18.0	30th	
	Miles.		
The mean movement of the wind per day	72.4		
The greatest movement of the wind in one day	112.0	22nd	
The greatest movement of the wind in one hour	16.0	22nd	11 to noon.
The number of hours under each of the 8 points—			

N 337, NE 92, E 18, SE 9, S 18, SW 10, W 30, NW 118, Calm 117.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street Observatory). The barometer is about 8 feet higher at Alipore, and other things being equal, reads therefore .003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 2° or 2½° lower; and finally, the thermometer, which has furnished the record of temperature at the Surveyor-General's Office during the last 20 years and upwards, is found to read 0.6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

H. F. BLANFORD,
Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA, the 7th January 1880.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing the total amount of Traffic and Tolls on the Canals for the month of November 1879.

ORISSA CIRCLE.

Kendrapara Canal and its branch to Gundukia on the Gobri River

LENGTH OF CANAL OPEN—54 MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

LOCAL TRAFFIC.

(1) PRIVATE.

		Mds.	Rs.			Rs. A. P.	A. P.
28	Paddy	4,035	8,070	6,485	232	8,920	206 8 0
54	Rice	11,100	44,400	18,808	675	28,350	561 4 0
7	Spices	1,100	28,000	2,578	103	4,320	112 0 0
9	Gram	844	1,416	1,406	54	2,147	46 4 0
9	Salt	1,700	8,500	2,600	93	3,250	63 8 0
11	Dry-fish	711	4,977	1,607	67	1,820	40 0 0
4	Turmeric	340	1,800	728	26	1,002	27 0 0
1	Ghee	10	400	35	1	42	1 0 0
4	Gunny-bags	450	2,700	008	32	1,344	26 4 0
14	Jaggery	2,370	11,450	3,000	42	3,484	64 0 0
6	Gingelly	600	3,220	1,709	47	2,014	44 0 0
1	Cotton	50	500	112	4	188	5 0 0
2	Timbers	150	400	376	13	304	5 0 0
2	Earthen pots	25	0	65	2	45	1 8 0
1	Tinned	100	400	171	6	24	8 0 0
2	Flux	250	300	345	12	144	0 12 0
1	Doors	80	150	04	3	120	2 12 0
1	Bones	300	300	304	11	402	15 0 0
3	Oil	200	4,350	590	20	284	10 4 0
4	Castor seed	300	1,100	577	21	752	17 4 0
3	Hides	1,102	11,020	1,933	66	2,304	73 0 0
4	Firewood	540	54	1,121	40	1,374	38 8 0
1	Miscellaneous	100	500	108	6	252	4 8 0
8	Sleeper	700	2,800	1,034	37	1,554	40 0 0
23	Miscellaneous goods, &c., of Messrs. Bullock, Wellsted & Co.			15,020	536	21,440	401 8 0
11	Passengers (22 in number)			813	29	1,160	27 13 8
216	Empty boats			24,011	858	30,106	635 11 0
407	Total	27,637	1,38,410	87,517	3,126	117,720	2,500 8 4 0 41
408	Total of same month last year	39,902	1,47,484	115,695	4,131	147,312	3,848 7 10 0 46
MISCELLANEOUS.							
24	Passengers (586 in number)						288 0 8
6	Bamboos (20,95 in number)		550				04 8 0
...	Timber (70 in number)		70				10 2 0
...	Demurrage on boats						1 4 0
30	Total		420				303 14 8
28	Total of same month last year		340				415 11 6

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

...	Nil						
	Total						
18	Total of same month last year	2,540	2,700	4,957	177	5,200	120 0 0 0 45
MISCELLANEOUS.							
17	Boats passed free			Nil			
17	Total						
46	Total of same month last year						

In comparing with the corresponding month of last year, there appears to be a decrease of Rs. 903 in the private trade, which is due to the falling off of traffic in items rice, paddy, gram, sleeper, passengers, empties, &c.

A memorandum of free boats is attached.

Kendrapara Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
ABSTRACT.								
		Mds.	Rs.				Rs. A. P.	A. P.
437	Private, including miscellaneous	27,505	1,35,842	87,517	3,126	117,720	2,804 7 4	.....
17	Government stores, including miscellaneous	..	..	.....	.....	.....	.....	.....
454	Grand total ...	27,505	1,35,842	87,517	3,126	117,720	2,804 7 4*	.....
578	Grand total of same month last year ...	38,442	1,50,474	1,20,672	4,808	153,212	3,017 3 5	.....

* Of this, Rs. 669-15-4 is the total collection of Gobra Canal lock, and Rs. 2,194-8-0 is the collection of Kendrapara Canal locks.

NOTE.		Rs. A. P.	
Unrecovered balance on the 1st of the month	.....	1,937	1 3
Amount of tollage for the month	.....	2,804	7 4
Total		4,821	8 7
Amount credited in the account for the month	.....	2,832	0 8
Balance at the end of the month	.....	1,989	7 11

MEMO. OF FREE BOATS.

Particulars.	No. of boats.	Maunds.	Tonnage.	Tollage realisable. Rs. A. P.
Passenger boats of Government officials on duty	7	1,127	40	34 4 0
Boats carrying materials for Jamboo Harbour works	2	1,005	71	67 0 0
Into	3	3,894	140	114 12 0
duty returning empty	5	3,085	109	90 0 0
Steamer, &c., of Messrs. Bullock, Wallsted & Co.	..	..	..	..
Total	17	10,071	360	296 0 0

High Level Canal, Range I.

LENGTH OF CANAL OPEN—37 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

4	Paddy	326	640	659	24	800	18 7 0	.....
26	Rice	1,900	7,892	4,057	148	4,857	116 9 2	.....
19	Salt	1,485	9,925	3,407	121	3,614	95 3 0	.....
2	Jaggery	100	950	434	16	222	7 0 0	.....
2	Custard-seed	812	1,092	625	22	179	6 0 0	.....
2	Hides	90	900	183	7	222	5 1 2	.....
2	Hides	185	1,850	488	17	527	14 1 8	.....
4	Salt-fish	100	100	233	8	222	7 8 0	.....
2	On-oke	1,020	6,080	2,440	87	2,062	71 4 0	.....
10	Gingerly	570	855	1,105	39	763	21 0 0	.....
6	Gram	10	20	25	1	33	0 13 0	.....
1	Coconut	1,200	2,856	2,375	85	2,881	125 4 2	.....
9	Timbers	70	100	122	4	120	8 7 0	.....
2	Sundries	..	..	..	..	..	..	.....
24	Passengers (197 in number)	..	..	5,557	200	15,514	100 12 9	.....
37	Empty boats	..	..	3,767	135	3,094	55 12 9	.....
144	Total	8,625	34,260	25,534	912	34,670	754 2 0	0 42
115	Total of same month last year	8,661	33,551	20,240	722	22,098	591 9 8	0 51

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

62	Rubble stone	14,500	226	20,661	748	744	206 0 0	.....
1	Laterite stone	700	11	1,200	43	43	12 0 0	.....
26	Empty boats	..	..	8,206	293	1,457	61 5 0	.....
66	Total	15,200	237	20,860	1,081	2,275	271 5 0	1 109
104	Total of same month last year	17,395	7,257	48,308	1,726	14,747	653 0 0	0 51
MISCELLANEOUS.								
3	Boats passed free*	..	..	..	..	..	..	.....
2	Total	..	..	..	..	..	..	.....
..	Total of same month last year	..	..	..	..	..	..	.....

* A memorandum of free boats is attached.

High Level Canal, Range I.—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons			
ABSTRACT.								
144	Private, including miscellaneous	Mds. 8,625	Rs. 34,240	25,554	912	34,670	Rs. A. P. 754 2 6	A. P.
72	Government stores, including miscellaneous	15,280	257	30,260	1,081	2,275	271 8 0	....
216	Grand total	23,725	34,497	55,814	1,993	36,945	1,025 10 6	...
210	Grand total of same month last year	20,076	40,788	68,008	2,448	30,845	1,244 9 3	.....

NOTE.						Rs. A. P.	
Unrecovered balance on the 1st of the month	...	...	...	...	...	520	0 6
Amount of tollage for the month	...	...	...	...	...	1,025	10 6
Amount credited in the accounts for the month	...	...	...	Total	...	1,545	11 0
Balance at the end of the month	...	...	...	...	...	741	9 9
						804	2 3

MEMO. OF FREE BOATS.

Particulars.	No. of boats.	Mauls.	Tonnage.	Tollage realized.
Passenger boats for Government officials on duty	...	3	411	14
Total	...	3	411	14
				Rs. A. P. 8 4 0

Taldunda Canal.

LENGTH OF CANAL OPEN—27 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

6	Paddy	...	1,807	2,375	5,651	10	1,190	18 1 3	....
1	Rice	...	107	325	643	23	46	3 3 6	....
1	Spices	...	107	200	643	25	46	3 3 6	....
10	Rubble	...	3,988	132	6,874	243	973	34 1 3	....
1	Lime	...	274	100	475	3	439	4 5 8	....
1	Fuel	...	107	25	644	23	46	3 3 6	....
23	Passengers	...	...	...	16,008	675	1,350	94 8 8	....
24	Empty	...	...	...	6,591	215	1,043	34 5 2	....
77	Total	...	6,450	3,157	37,729	1,347	5,492	105 0 7	0 78
30	Total of same month last year	...	2,595	3,734	16,950	605	5,086	111 13 10	0 42
MISCELLANEOUS.									
...	Bamboos (24,200 in number)	...	...	470	...	...	...	60 8 0	....
...	Timber (4 in number)	...	...	25	...	...	...	1 8 0	....
...	Passengers (862 in number)	...	...	...	...	...	...	2 11 4	....
...	Total	...	...	495	...	...	...	64 11 4	....
...	Total of same month last year	...	...	355	...	...	...	31 6 7	....

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

1	Earthen shoots	...	305	100	867	18	270	2 8 7	....
1	Wooden poles	...	435	50	660	23	70	3 4 10	....
3	Brushwood	...	124	40	360	13	68	1 12 0	....
4	Empty	...	...	...	54	20	138	2 12 3	....
8	Total	...	964	190	2,071	74	541	10 5 8	0 36
4	Total of same month last year	...	327	220	957	34	319	8 0 2	0 48

ABSTRACT.

77	Private, including miscellaneous	6,450	3,653	37,729	1,347	5,492	239 11 11	....
30	Government stores, including miscellaneous	904	190	2,071	74	541	10 5 8	....
85	Grand total	7,414	3,842	39,800	1,421	6,033	270 1 7	....
60	Grand total of same month last year	2,923	4,300	17,913	639	5,385	151 4 7	....

NOTE.						Rs. A. P.	
Unrecovered balance on the 1st of the month	...	...	...	...	...	44	7 8
Amount of tollage for the month	...	...	...	...	...	270	1 7
Amount credited in the accounts for the month	...	...	...	...	...	314	9 3
Balance at the end of the month	...	...	...	...	...	178	8 1
						143	1 2

High Level Canal, Range II.

LENGTH OF CANAL OPEN—12½ MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

LOCAL TRAFFIC.

(1) PRIVATE.

		Mds.	Rs.				Rs. A. P.	A. P.
4	Paddy	200	500	520	10	247	0 8 0	.....
6	Rice	1,200	4,000	2,400	80	1,157	48 0 0	.....
12	Jaggery	200	1,000	374	19	150	7 0 0	.....
5	Salt	1,300	6,500	2,082	74	888	40 8 0	.....
1	Castor seed	150	000	200	9	108	5 0 0	.....
1	Chillies	50	000	122	4	48	2 0 0	.....
1	Moong	100	400	207	7	84	4 0 0	.....
16	Passengers (169 in number)	.....	.....	4,914	145	1,702	70 0 0	.....
24	Empty boats	.....	.....	5,380	180	2,507	00 8 0	.....
60	Total	3,350	14,640	15,305	549	6,847	205 2 0	0 8 3
81	Total of same month last year	4,945	17,186	12,644	449	5,501	237 12 6	0 8 2
MISCELLANEOUS.								
...	Small dongahs (39 in number)	.....	.....	.....	.....	.....	10 8 0	.....
...	Total	.....	.....	.....	.....	.....	10 8 0	.....
...	Total of same month last year	.....	12	.....	.....	.....	0 9 0	.....

In comparing with the corresponding month of last year, the private trade shows an increase of Rs. 08, which is due to the increase of traffic in items salt, passengers, and empties.

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

91	Rubble stone	25,000	300	46,806	1,674	20,088	011 8 0	.....
3	Laterite stone	2,500	44	4,454	160	1,020	89 0 0	.....
88	Empty boats	.....	.....	18,713	608	8,016	326 8 0	.....
182	Total	27,500	434	70,003	2,502	30,024	1,357 0 0	0 8 7
82	Total of same month last year	2,003	200	7,404	243	5,103	142 6 0	0 8 5

ABSTRACT.

60	Private, including miscellaneous	3,350	14,640	15,305	549	6,847	305 10 0	.....
182	Government stores, including miscellaneous	27,500	434	70,003	2,502	30,024	1,357 0 0	.....
242	Grand total	31,130	15,074	85,458	3,051	36,871	1,662 10 0	.....
115	Grand total of same month last year	6,709	17,854	20,048	697	8,754	380 11 6	.....

NOTE.

		Rs. A. P.
Unrecovered balance on the 1st of the month	.....	980 5 0
Amount of tollage for the month	.....	1,002 10 0
	Total	2,592 15 0
Amount credited in the accounts for the month	.....	004 2 0
Balance at the end of the month	.....	1,628 13 6

High Level Canal, Range III.

LENGTH OF CANAL OPEN—6½ MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

1	Paddy	80	100	139	5	70	2 8 0	.....
1	Rice	95	300	170	6	84	3 0 0	.....
1	Salt	800	1,500	515	18	257	10 0 0	.....
1	Moong	100	400	108	7	98	3 8 0	.....
17	Passengers (97 in number)	.....	.....	6,315	226	1,506	121 13 11	.....
4	Empty boats	.....	.....	413	15	210	7 8 0	.....
22	Total	555	2,440	7,750	277	2,315	148 5 11	1 0 3
90	Total of same month last year	1,571	3,280	4,882	174	1,420	95 9 11	1 1 8
MISCELLANEOUS.								
...	Timber (64 in number)	.....	256	.....	.....	.....	12 0 0	.....
...	Total	.....	256	.....	.....	.....	12 0 0	.....
...	Total of same month last year	.....	400	.....	.....	.....	28 4 1	.....

In comparing with the corresponding month of last year, the private trade shows an increase of Rs. 85, which is due to the increase of traffic in items salt and passengers.

High Level Canal, Range III.—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons			
ABSTRACT.								
22	Private, including miscellaneous Government stores, including miscellaneous	Mds. 575	Rs. 2,696	7,750	277	2,315	Rs. A. P. 169 5 11	A. P.
23	Grand total ...	575	2,696	7,750	277	2,315	169 5 11	
26	Grand total of same month last year	1,571	3,590	4,849	174	1,229	123 14 0	

NOTE.						Rs. A. P.
Unrecovered balance on the 1st of the month	.....	.....	.....	.....	.....	110 2 3
Amount of tollage for the month	.....	.....	.....	.....	.....	169 5 11
Amount credited in the accounts for the month	.....	.....	.....	Total	.....	270 8 2
Balance at the end of the month	.....	.....	.....	.....	.....	119 0 6
	.....	.....	.....	.....	.....	161 7 8

SOUTH-WESTERN CIRCLE.

Midnapore Canal.

LENGTH OF CANAL OPEN—53 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

27	Betel-leaves	1,200	6,000	4,050	.....	15 13 0	.....
2	Betel-nuts	300	3,000	675	.....	1 15 0	.....
1	Bones	40	40	100	.....	1 2 0	.....
2	Bricks and tiles (900 in number)	50	20	400	.....	3 8 0	.....
39	Brass and copper and their manufactures	5,000	2,22,047	15,500	.....	173 11 0	.....
40	Coal and coke	5,000	4,225	17,565	.....	188 1 4	.....
16	Cotton, raw	850	16,780	3,465	.....	41 12 3	.....
27	Cocoanuts (95,760 in number)	1,070	2,501	7,750	.....	84 2 0	.....
63	Cotton, twist and yarn (European)	7,700	2,09,015	22,350	.....	226 7 0	.....
12	Do. piece-goods (European)	1,390	75,700	4,275	.....	49 15 0	.....
21	Do. ditto (Indian)	600	69,000	4,795	.....	41 3 6	.....
24	Curd	1,035	2,075	5,525	.....	48 14 6	.....
1,017	Empty boats	.....	.....	82,305	.....	63 11 0	.....
28	Earthenware	3,070	885	8,440	.....	41 3 0	.....
14	Firewood	880	378	2,540	.....	16 4 9	.....
16	Fruits and nuts of all kinds	2,144	3,250	4,780	.....	67 4 0	.....
77	Gram and pulse	8,500	32,180	22,435	.....	228 13 9	.....
10	Goats and sheep (680 in number)	130	985	730	.....	7 15 3	.....
3	Gunny-cloths (300 pieces)	150	200	650	.....	2 7 0	.....
2	Horns	150	1,500	475	.....	4 2 0	.....
9	Hides of cattle, untanned (9,460 in number)	1,250	13,500	2,005	.....	35 15 3	.....
6	Iron and its manufactures	525	4,150	1,585	.....	17 2 6	.....
60	Jute, raw	6,525	24,228	16,740	.....	79 14 6	.....
8	Lime and limestones	170	85	500	.....	2 6 0	.....
2	Liquor	40	600	190	.....	1 19 6	.....
90	Miscellaneous	4,004	10,387	18,110	.....	182 15 3	.....
30	Mustard	4,760	19,440	1,000	.....	85 7 9	.....
14	Oil	1,045	12,550	1,000	.....	69 2 0	.....
17	Other oilseeds	3,200	8,000	6,760	.....	99 11 0	.....
4	Other saline substances	140	250	675	.....	9 4 0	.....
12	Oil-cake	443	445	1,000	.....	13 14 0	.....
5	Other fibres, raw	305	1,525	1,000	.....	8 1 0	.....
1,629	Passenger boats	.....	.....	99,120	.....	805 1 0	.....
191	Paddy	21,003	35,051	14,275	.....	601 1 0	.....
737	Rice	21,556	61,825	4,000	.....	473 9 1	.....
22	Silk, raw	458	61,700	4 1 0	.....	38 3 0	.....
119	Salt	35,815	1,48,030	6,700	.....	750 0 0	.....
25	Straw (284 kahuns)	5,090	1,522	11,000	.....	91 2 0	.....
19	Sand	5,040	802	11,000	.....	51 11 3	.....
25	Stone-plates	3,055	24,850	7,050	.....	90 2 6	.....
23	Sugar, unrefined	1,785	11,120	5,145	.....	30 14 3	.....
3	Sugar, refined	300	4,000	800	.....	5 11 0	.....
118	861 piles (8,341 in number)	12,380	16,007	10,050	.....	331 8 3	.....
1	Stamp paper	20	500	100	.....	3 0 0	.....
14	Spices	1,620	12,000	4,225	.....	57 7 9	.....
35	Timbers (406 in number)	2,250	4,227	2,000	.....	72 5 3	.....
41	Tobacco	5,850	35,400	14,550	.....	145 1 0	.....
4	Vegetables and other kinds of provisions	90	17	470	.....	2 5 0	.....
18	Wheat	1,160	5,000	3,800	.....	98 0 0	.....
4,115	Total	1,80,201	12,29,558	6,10,120	22,111	4,01,701	4,293 3 0 0 3
4,198	Total of same month last year	2,20,972	19,01,136	6,62,005	23,807	3,04,139	5,929 10 6 0 3
MISCELLANEOUS.							
18	Passenger (18,287 in number)	.....	.....	.....	.....	323 0 6	.....
18	Boats passed free	.....	.....	.....	.....	18 7 0	.....
18	Total	.....	.....	.....	.....	341 0 6	.....
21	Total of same month last year	.....	.....	.....	.....	238 0 9	.....

Midnapore Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

		Mds.	Rs.				Rs. A. P.	A. P.
1	Coal	500	155	775			14 10 0	
6	Empty boats			1,625			48 12 0	
	Total	500	155	2,400	86	4,542	63 6 0	
	Total of same month last year	1,100	3,886	2,700	98	2,438	37 9 3	

ABSTRACT.

4,134	Private, including miscellaneous	1,86,301	12,29,558	6,19,120	22,111	4,01,701	6,638 3 6	
6	Government stores, including miscellaneous	500	155	2,400	86	4,542	63 6 0	
4,140	Grand total	1,86,801	12,29,713	6,21,520	22,197	4,06,243	6,701 9 6	
4,225	Grand total of same month last year	2,22,132	13,05,022	6,55,305	23,405	3,90,566	6,205 4 6	

* This includes tolls on the Narangur Channel amounting to Rs. 78-2-3.

NOTE.

Unrecovered balance on the 1st of the month		Rs. A. P.
Amount of tollage for the month		678 14 8
		6,701 9 6
Amount credited in the accounts for the month		7,380 7 9
		6,426 10 6
Balance at the end of the month		953 13 3

REMARKS.

The increase in weight of cargo carried and in the tonnage of boats is proportionately much more than the amount of tolls realized. The percentage of increase in the former two items are 20 and 24 per cent.; whilst that in the latter, it is only 4 per cent. The Executive Engineer has been requested to explain the cause of this difference in the percentage of increase.

Hidgellee Tidal Canal.

LENGTH OF CANAL OPEN—29 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

2	Botel-nut	180	600	600			5 3 6	
1	Bamboos (300 in number)	20	30	275			1 11 3	
1	Cloth	50	200	125			2 4 3	
7	Cocunut (3,100 in number)	219	343	1,105			15 1 9	
2	Cotton, raw	275	4,500	625			4 4 9	
4	Coal	925	255	2,025			13 14 9	
551	Empty boats			35,850			361 13 3	
10	Earthenware (12,220 in number)	362	101	1,435			11 10 0	
6	Firewood	245	411	500			6 3 0	
1	Fish	5	32	75			1 5 9	
1	Fish, dry	7	14	60			1 1 3	
10	Ghootink	1,120	129	2,325			16 2 0	
1	Goran wood	30	40	50			0 5 0	
10	Hemp	920	4,100	2,550			17 8 6	
1	Hental wood	150	40	325			2 0 6	
1	Jute	15	40	40			0 8 3	
6	Lime	955	394	1,875			13 15 9	
110	Miscellaneous	6,265	34,821	17,405			163 3 9	
8	Mats (2,200 in number)	220	1,100	800			5 8 0	
8	Mustard	267	1,108	805			6 6 0	
3	Oil cake	59	59	200			1 11 9	
343	Paddy	42,138	65,421	78,500			980 12 0	
75	Passenger-boats			3,745			50 15 3	
46	Rice	5,504	9,343	6,740			52 9 9	
42	Straw (390 kahuns)	6,634	924	12,275			83 6 3	
6	Sand	950	57	1,425			9 12 9	
1	Sugar, unrefined	40	100	90			0 9 9	
1	Sugar-cane	9	5	20			0 2 0	
2	Sal plank	30	45	375			5 10 9	
1	Soorkee	20	15	60			0 6 6	
26	Salt	5,255	20,200	9,400			82 2 0	
1	Sugar, refined	10	90	30			0 3 0	
2	Tobacco	150	600	440			3 0 3	
1	Teak plank	10	100	100			1 13 0	
33	Timber (406 in number)	2,622	8,013	2,400			16 11 3	
1,392	Total	73,242	1,55,360	1,94,730	6,740	1,10,136	1,940 6 0	0 3 3
1,760	Total of same month last year	1,10,690	2,60,974	2,95,755	10,563	2,03,539	3,509 10 9	0 3 3
MISCELLANEOUS.								
	Passengers (550 in number)						19 6 0	
	Demurrage, &c.						17 4 0	
	Rafts of timber (30 in number)						88 6 0	
	Total						125 0 0	
	Total of same month last year						99 10 0	

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

	Nil							
	Total							
1	Total of same month last year	20	100	125	4	120	2 4 3	

Hidgellee Tidal Canal—continued.

Number of Boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS		Ton mileage.	Tollage.	Rate of toll per ton-mile
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
ABSTRACT.								
1,332	Private, including miscellaneous	Mds. 73,242	Rs. 1,55,349	1,88,730	6,740	1,10,136	Rs. 2,065	A. P. 6 0
...	Government stores, including miscellaneous	.....	.....	.....	.....	.....	.....	.....
1,332	Grand total	73,242	1,55,349	1,88,730	6,740	1,10,136	2,065	6 0
1,761	Grand total of same month last year	1,10,710	2,00,074	2,95,880	10,567	2,08,688	3,070	9 6

NOTE.						Rs.	A.	P.
Unrecovered balance on the 1st of the month	...	...	...	...	...	240	5	3
Amount of tollage for the month	...	...	...	...	...	2,065	6	0
Amount credited in the accounts for the month	...	...	...	...	...	2,311	11	3
Balance at the end of the month	...	...	...	...	...	2,018	14	9
Total						2,311	11	3
						2,018	14	9
						292	12	6

REMARKS.

The Executive Engineer has been requested to report the cause of the decrease of the traffic in these canals, as compared with that of same month last year. It is probably owing to the silting of the bed of the canal in the mile above the Kaleenuggar lock and partly to the more settled state of the weather this year compared to that of November 1878.

SONE CIRCLE.

Arrah Canal.

LENGTH OF CANAL OPEN—65 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

3	Rice	800	2,325	1,393	40	990	10	1	0
29	Wheat	8,316	27,017	11,176	390	11,150	122	6	6
16	Salt	5,425	24,412	7,143	255	8,282	74	4	9
32	Other articles of food	6,923	10,515	10,120	361	11,378	113	7	0
10	Stones	3,003	920	4,135	117	7,510	40	5	9
3	Spoorkee	156	624	338	12	264	2	0	9
1	Mustard	59	250	78	2	72	0	15	3
1	Tobacco	400	1,600	603	23	400	5	4	6
20	Passengers (43 in number)	...	...	3,052	100	3,000	37	7	3
35	Empty	...	...	4,078	145	2,011	17	10	0
1	Garoos	265	1,475	875	13	633	5	13	9
3	Cotton	324	6,180	653	23	604	5	3	0
1	Piece-goods	260	20,000	640	19	1,520	11	9	8
1	Subba-string	25	50	51	1	32	0	5	0
101	Total	25,710	1,01,038	48,822	1,558	49,411	431	2	6
94	Total of same month last year	13,700	1,10,714	21,913	779	45,694	430	5	3
MISCELLANEOUS.									
...	32 Rafts of bamboos and bullahs (68,200 in number).	...	...	...	...	...	37	9	0
...	Total	...	...	...	...	...	37	9	0
15	Total of same month last year	...	20	19,656	...	...	12	10	9

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

1	Cement	11	55	106	3	66	2	3	0
10	Stores	3,640	546	4,046	165	2,054	16	6	6
4	Iron	600	3,000	947	33	1,850	19	11	0
7	Empty	...	...	1,017	36	1,800	10	2	9
1	Mortar-mill engine	400	5,000	688	24	1,302	14	12	3
20	Total	4,651	8,601	7,398	261	8,134	68	3	6
77	Total of same month last year	71,195	10,541	79,526	2,838	1,50,822	544	13	9
MISCELLANEOUS.									
NU	Total	...	...	...	...	...	...	...	...
1	Total of same month last year	...	...	1,000	...	...	55	2	0

ABSTRACT.

141	Private, including miscellaneous	25,710	1,01,038	48,822	1,558	49,411	431	11	0
20	Government stores, including miscellaneous	4,651	8,601	7,398	261	8,134	68	3	6
190	Grand total	30,361	1,10,339	56,220	1,819	57,545	551	15	0
170	Grand total of same month last year	84,895	1,31,275	1,01,430	5,617	2,05,416	1,051	15	0

Canal closed at Dilah Lock No. 8 from the 17th November, consequently decrease in tolls.

NOTE.						Rs.	A.	P.
Unrecovered balance on the 1st of the month	...	...	...	...	...	541	10	...
Amount of tollage for the month	...	...	...	...	...	551	15	0
Amount credited in the accounts for the month	...	...	...	...	...	1,093	9	8
Balance at end of the month	...	...	...	...	...	878	3	9
Total						215	5	11

Western Main Canal.

LENGTH OF CANAL OPEN—22 MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

LOCAL TRAFFIC.

(1) PRIVATE.

		Mds.	Rs.				Rs. A. P.	A. P.
17	Wheat	6,700	26,800	9,175	328	8,300	124 8 0	.....
12	Rice	400	1,800	1,200	41	1,118	17 4 0	.....
1	Barley	400	800	500	18	468	7 3 0	.....
1	Spices	300	3,000	125	15	390	6 1 0	.....
1	Gauze	200	400	375	13	338	5 0 3	.....
	Wooden boxes	130	45	235	8	184	2 2 3	.....
2	Passenger boat (number of passengers 12)	.....	.....	175	6	144	2 5 0	.....
4	Empty boats	.....	.....	175	6	102	0 11 9	.....
30	Total	8,630	32,845	12,250	497	11,104	163 11 0	0 28
19	Total of same month last year	4,325	16,800	7,125	253	6,558	101 7 9	0 20
MISCELLANEOUS.								
	Demurrage one day for 200 maunds bulle	.....	.....	.....	.....	.....	1 0 0	.....
	Ditto ditto 100 ditto	.....	.....	.....	.....	.....	0 8 0	.....
	Ditto ditto 25 maunds bamboos	.....	.....	.....	.....	.....	0 2 0	.....
	1 Raft containing 15,000 bamboos	.....	.....	.....	.....	.....	1 11 9	.....
	Total	.....	.....	.....	.....	.....	3 8 0	.....
	Total of same month last year	.....	.....	.....	.....	.....	.....	.....

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

28	Rubble stone	5,000	280	9,100	325	975	30 15 0	.....
80	Empty boats	.....	.....	4,375	174	2,088	19 11 0	.....
58	Total	5,000	280	13,975	499	3,063	50 10 0	0 35
0	Total of same month last year	150	250	650	24	432	5 4 6	0 23

ABSTRACT.

50	Private, including miscellaneous	8,630	32,845	12,250	497	11,104	163 3 9	.....
58	Government stores, including miscellaneous	5,000	280	13,975	499	3,063	50 10 0	.....
68	Grand total	14,230	33,125	26,225	996	14,167	225 14 3	.....
24	Grand total of same month last year	4,475	17,150	7,775	277	6,900	108 12 3	.....

NOTE.

	Rs. A. P.
Unrecovered balance on the 1st of the month	30 7 6
Amount of tollage for the month	225 14 3
Amount credited in the accounts for the month	262 5 0
Balance at the end of the month	34 0 0
	228 5 0

Patna Canal.

LENGTH OF CANAL OPEN—86½ MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

2	Rice	400	2,000	775	27	2,280	23 7 0	.....
11	Wheat	2,171	5,635	3,739	136	3,178	43 0 0	.....
6	Pulses	1,121	2,700	2,081	74	5,432	55 5 6	.....
6	Salt	700	2,825	1,278	45	2,363	23 14 0	.....
23	Other food	2,210	21,100	4,400	150	10,260	98 14 3	.....
1	Stimulants	45	125	128	4	284	2 15 0	.....
8	Clothing	701	4,250	1,300	45	2,031	20 10 0	.....
1	Staples of manufacture	100	1,200	144	5	205	1 14 0	.....
4	Building materials	400	88	1,046	37	2,327	21 11 9	.....
4	Mills	600	275	1,506	39	1,297	12 4 9	.....
3	Cooking utensils	255	1,050	914	35	1,377	19 12 6	.....
50	Miscellaneous	5,235	66,414	11,710	418	24,003	241 1 9	.....
49	Empty boats	.....	.....	3,797	135	3,656	19 0 0	.....
177	Total	13,988	1,07,752	32,533	1,157	69,792	690 0 3	0 18
199	Total of same month last year	18,677	82,530	48,870	1,735	115,712	1,180 0 5	0 19
MISCELLANEOUS.								
	Hill bamboos in raft (23,500 in number)	.....	.....	.....	.....	.....	6 8 6	.....
	Passengers (103 in number)	.....	.....	.....	.....	.....	12 15 0	.....
	Total	.....	.....	.....	.....	.....	19 7 0	.....
	Total of same month last year	.....	2,479	177	6	180	33 1 0	.....

Patna Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton. mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

		Mds.	Rs.				Rs. A. P.	A. P.
1	Lime	60	15	117	4	64	0 13 0	.....
2	Empty boats of kunkur .....	.....	.....	30	1	16	0 1 0	.....
4	Ditto of bricks .....	.....	.....	237	9	114	1 0 0	.....
7	Total	60	15	414	14	194	1 14 0	0 18
109	Total of same month last year	8,022	1,415	23,574	853	28,568	311 12 8	0 23
MISCELLANEOUS.								
4	Steamers passed free .....	.....	.....	.....	.....	.....	.....	.....
1	Boat ditto .....	.....	.....	.....	.....	.....	.....	.....
5	Total .....	.....	.....	.....	.....	.....	.....	.....
13	Total of same month last year .....	.....	.....	.....	.....	.....	.....	.....

ABSTRACT.

177	Private, including miscellaneous	13,988	1,07,753	32,553	1,157	60,792	609 7 9	.....
12	Government stores, including miscellaneous	60	15	414	14	194	1 14 0	.....
189	Grand total	14,048	1,07,767	32,967	1,171	60,986	611 5 9	.....
391	Grand total of same month last year	27,599	86,430	72,021	2,291	142,400	1,331 4 7	.....

NOTE.

Unrecovered balance on the 1st of the month .....	.....	.....	.....	.....	Rs. A. P.
Amount of tollage for the month .....	.....	.....	.....	.....	567 12 6
				Total	611 5 9
Amount credited in the accounts for the month .....	.....	.....	.....	.....	1,170 2 3
Balance at the end of the month .....	.....	.....	.....	.....	542 12 6
					636 5 9

ABSTRACT.

CANALS.	TOLLAGE OF THE YEAR 1879-80.		TOLLAGE OF THE YEAR 1878-79.		REMARKS.
	During the month.	To end of month.	During the corresponding month.	To end of cor- responding month.	
ORISSA CIRCLE.					
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Kendrapara	2,864 7 4	20,066 13 0	3,917 3 3	17,074 1 1	
High Level, Range I	1,423 10 6	5,340 0 6	1,244 9 3	5,834 3 3	
Taldunda	270 1 7	1,465 2 4	151 4 7	844 1 3	
High Level, Range II	1,462 10 0	8,292 10 3	330 11 6	834 12 11	
Ditto, do. III	160 5 11	898 2 4	123 14 0	210 11 1	
Total Orissa Circle	5,083 3 4	30,002 12 5	5,817 10 7	24,947 13 6	
SOUTH-WESTERN CIRCLE.					
Midnapore	6,701 2 6	68,690 2 9	6,205 4 6	52,701 13 11	
Hidgelice Tidal	2,063 6 0	42,069 15 0	3,070 9 6	40,544 8 9	
Total South-Western Circle	8,766 15 6	1,10,760 1 9	9,275 14 0	93,246 8 8	
SONE CIRCLE.					
Arrah	551 15 0	7,711 5 4	1,051 15 9	6,038 11 6	
Western Main	223 14 8	859 1 9	106 12 3	670 4 6	
Patna	611 5 9	10,341 2 4	1,631 4 7	11,372 8 6	
Total Sone Circle	1,385 3 0	18,004 9 5	2,690 0 7	17,081 8 6	
GRAND TOTAL	16,130 5 10	1,65,667 7 7	18,383 9 2	1,33,193 14 8	

H. C. LEVINGE,

Joint-Secy. to the Government of Bengal,

P. W. Dept., Irrigation Branch.

The 7th January 1880.

GOVERNMENT OF BENGAL.
PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR 1879-80.

Areas leased for Irrigation up to end of November 1879.

CIRCLE.	DISTRICT.	CANAL.	SUPPLY OF WATER IN THE CANAL.				KHURRUP.				RUBBER.				SUGARCANE.				GRAND TOTAL.				RAINFALL.				
			Five-year leases.		Three-year leases.		Annual leases.		Three-year leases.		Annual leases.		Three-year leases.		Annual leases.		Three-year leases.		Annual leases.		Three-year leases.		Annual leases.				
			Average discharge in cubic feet per second.	Estimated full discharge in cubic feet per second.	Estimated discharge in cubic feet per second.	Estimated discharge in cubic feet per second.	Leased up to end of November 1879.	Total, inclusive of unexpired leases of previous years.	Leased in November 1879.	Leased up to end of November 1879.	Total, inclusive of unexpired leases of previous years.	Leased in November 1879.	Leased up to end of November 1879.	Leased in November 1879.	Leased up to end of November 1879.	Total, inclusive of unexpired leases of previous years.	Leased in November 1879.	Leased up to end of November 1879.	Leased in November 1879.	Leased up to end of November 1879.	Total, inclusive of unexpired leases of previous years.	Leased in November 1879.	Leased up to end of November 1879.	Total, inclusive of unexpired leases of previous years.	Leased in November 1879.	Leased up to end of November 1879.	
Orissa ...	Cuttack ...	{ Kendrapara ... Bhatmotee ... High Level Sec- tion I ... Talumdah ... Machang ... (Gouri)	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	
			1,359	401.04	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			675	348.52	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			1,806	548.54	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South-Western ...	Midnapore ... Howrah ... Panchtoornah ...	{ Total of the month ... Total of the corresponding month of previous year ...	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	
		
			875	375	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			500	76	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bongone ...	{ Shahabad ... Barah ... Patna and ... Gya ... Patna ...	{ Total of the month ... Total of the corresponding month of previous year ...	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	
		
			4,542	432	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			1,609	335	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bongone ...	{ Total of the month ... Total of the corresponding month of previous year ... Grand total of the month ... Grand total of the corresponding month of previous year ...	{ ...<																									

The 12th January 1880.

D. B. HORN,
Asst. Secy. to the Govt. of Bengal,
P. W. Dept., Irrigation Branch.

Reports of Fluctuation of Traffic on the East Indian Railway for five weeks ending 29th November 1879.

EAST INDIAN RAILWAY. TRAFFIC MANAGER'S OFFICE, JAMALPORE, THE 30TH DECEMBER 1870.

Remarks on Traffic of East Indian Railway for five weeks ending 29th November 1879.

THE approximate figures for the period are as follows :—

	Coaching.		Goods.		Total.
	No.	Rs.	Mds.	Rs.	
1879	684,881	10,13,660	54,42,133	25,04,033	35,22,693
1878	685,790	10,52,071	64,78,217	25,33,879	30,80,850
Increases					
Decreases	890	39,402	10,34,080	24,046	61,344

showing a decrease in the total traffic of 1.79 per cent. The decrease in coaching has arisen from the traffic in remount specials having been less this year.

In goods traffic the decrease is not large, and is solely due to the falling off in the grain despatches, it being remembered that last year large quantities of millets, &c., were being conveyed to the Western Presidency, where scarcity then existed. This was an abnormal traffic which we cannot hope to obtain except in seasons when failure of crops has given rise to a large demand for cheap food grain.

The principal fluctuations in staples as compared with the same period of last year are as follows:—

	<i>Increases.</i>	
Coal, up Hides.	| |	Saltpetre, Sugar.
	<i>Decreases.</i>	
Coal, down. Cotton.	| |	Salt. Seeds.
	<i>Increases.</i>	
Coal, upwards 		Mds. Rs.
		<u>199,160 188,240</u>
continued increase in this traffic is very satisfactory, forming as it does a regular source of revenue.		
Hides 		27,399 17,886

The continued increase in this traffic is very satisfactory, forming as it does a regular source of revenue.

The demand for export continued firm during November, but supplies are not, it is said, forthcoming to any large extent.

Piece-goods Mds 63,807 Rs. 78,740

The principal portion of this increase is shewn against Howrah. After the holidays had ceased, despatches were renewed in a large way to meet an active demand in the districts of Patna and Tirhoot, and also to Cawnpore and Delhi. It is probable that the flourishing state of the autumn crops has led to this improvement.

At Jubbulpore there has also been an increase in the piece-goods from Bombay to the North-West.

Railway materials	...	Mds.	30,253	Rs.	1,10,565
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This is chiefly owing to the materials sent up for the Quetta Railway now under construction.

Saltpetre	Mds	35,287	Rs.	14,204
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In the course of the month there was an active demand in the Calcutta market, and prices rose, but fell again towards the end. The exports are principally to America.

Sugar	Mds.	20,367	Ra.	10,824
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There has been a brisk traffic in this staple, as may be seen by the weight carried, over 4,000 tons, chiefly from stations in the Shahabad district to Great Indian Peninsular stations and Rajpootana.

Decreases.

Coal, down Mds. 1,12,834 Rs 16,838

The large quantity of coal carried downwards in October prior to the holidays doubtless met the demand on stocks during November. The holidays covered one of the weeks under review when there were small despatches.

Cotton	Mds.	17.844
--------	-----	-----	----	-----	-----	------	--------

Prices as compared with the same period of 1878 show a decrease, and there is not the demand in Europe or China.

there was last year.

Gunny	Mds.	53,180	Rs.	55,002
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Last year gunny was in demand for Government, who were despatching grain largely to the Punjab for the troops.

This year, although there are ample stocks, the demand is moderate, there being so heavy a decrease in the grain traffic.

Opium	Mds.	48,003	Ks.	48,776
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Despatches from Zumanah and Patna commenced later during the present year.

Salt	Mds.	73,498	Rs.	24,006
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During the week ending 1st November the salt golahs being closed on account of gazetted holidays, there were no despatches of salt.

Seeds	Mds.	2,05,415	Rs.	52,428
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The demand for linseed for export to America is very uncertain, while scarcely any has been sent to England. In other seeds the enquiry is nominal, and owing to the unusually wet and sickly season just over, the seed crops were far from good.

The grain traffic results are as follows :—

				Mds.	Es.
Rice,	decrease	...	...	2,08,478	63,105
Other grains,	"	...	...	6,74,256	1,48,067
Pulses,	"	...	...	1,84,186	44,261
			Total	10,10,920	2,51,033
			Wheat increase	57,807	88,478
Net				9,62,313	1,66,555

The Calcutta and other markets for rice are dull, and prices are falling owing to the near approach of this season's crops which are expected to be large.

The train mileage for the period has been—

	Coaching.	Goods.	Total.
1879	241,140	439,168	671,308
1878	240,486	407,428	707,903
Increases	654		
Decreases		37,255	86,000

Earnings per train mile—

	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
1879	4	3	3	5	13	4	5	3	11
1878	4	6	1	5	0	9	5	1	1
Increase				0	6	7			
Decrease							0	2	10

This may be considered as satisfactory in the face of the decrease in earnings, and shows that the subject has close attention.

Shunting mileage—Increase

Hours 1,217

The shunting increased at Cawnpore, Allyghur, and Ghazeeabad.

Jubbulpore line traffic:—

	Coaching.		Goods.		Total.
	No.	Rs.	Mds.	Rs.	Rs.
1879	32,127	1,42,500	6,57,783	1,05,983	3,34,254
1878	32,514	1,33,149	12,57,189	3,27,754	4,60,903
Increase		9,351			
Decrease	387		5,99,406	1,31,866	1,22,515

Last year the bulk of the grain traffic (for Bombay) was passing over the Jubbulpore line, and the decrease in weight under this head is maunds 3,21,000.

The train mileage has been—

	Coaching.	Goods.	Total.
1879	28,502	39,057	69,159
1878	28,409	86,455	115,264
Increase			
Decrease	307	46,798	47,105

Total earnings per train mile—Increase, annas 15-5.

W. St. L. CARTER, Traffic Manager.

MAIN LINE.

Statement showing the Totals and Increases and Decreases of Staples during five weeks ending 29th November 1879.

STAPLES	WEIGHT.		AMOUNT.		1879.			
	1878.	1879.	1878.	1879.	Increase.		Decrease.	
	Mds.	Mds.	Rs.	Rs.	Mds.	Rs.	Mds.	Rs.
Beer, Commissariat	2,391	432	1,972	150			1,979	1,822
" not Commissariat	7,739	9,498	9,481	7,831			541	1,650
Betel-nuts	9,148	13,310	10,779	16,474	3,802	5,695		
Boots and shoes	1,015	4,111	7,205	6,020			504	1,176
Brassware	17,774	12,919	8,970	9,527	1,145	557		
Bricks	3,431	2,580	2,177	1,231			851	946
Coal, up	2,85,351	4,84,511	1,25,014	2,65,234	1,99,160	1,38,240		
" down	12,51,032	14,18,368	2,00,235	1,02,667			1,12,534	10,394
Copper	6,950	7,423	9,231	10,536	473	1,305		
Cotton	71,839	53,995	1,06,723	70,222			17,844	36,501
" twist	14,322	12,421	15,960	13,881			1,901	2,079
Dye-wood	6,542	7,897	5,575	7,417	1,545	1,842		
Empty coops	6,420	5,320	4,420	3,903			1,109	437
Firewood	10,100	7,377	323	271			2,045	39
Fruits	23,506	20,556	22,613	22,734		121	2,644	
Glassware	2,070	4,341	3,509	4,470	1,721	871		
Ghee and oil	37,822	29,903	30,343	20,890			7,939	444
G. B. T. packages	6,808	6,581	10,882	13,638			277	3,224
Government Commissariat stores	26,308	32,950	31,773	70,232	6,042	38,450		
" Ordnance stores	22,255	11,293	35,853	13,150			19,902	22,703
" Barley	14,232	23,193	4,201	4,976	5,973	685		
" Oats	2,678	2,720	1,265	1,303	42	38		
GRAINS, EDIBLE, & PULSES.	6,04,380	4,87,002	1,43,610	80,514			2,06,479	63,103
" Rice	2,08,793	3,16,400	1,03,873	1,94,331	57,097	58,478		
" Wheat	8,37,471	1,03,216	1,56,838	10,171			6,74,256	1,40,667
" Other grains	3,94,007	1,67,381	1,15,959	71,692			1,80,180	48,261
" Pulses of all kinds	1,17,162	69,082	92,771	37,379			38,180	55,693
Gunny	79,797	1,07,198	58,533	70,416	27,399	17,883		
Hides and horns	23,970	10,263	55,912	47,227			16,712	34,683
Indigo	1,00,327	1,01,030	84,078	77,711			5,691	6,367
Iron	37,557	47,916	7,747	12,375	10,250	1,573		
Jaggree	21,155	29,929	13,924	20,288	5,774	7,204		
Lac	35,090	30,743	8,340	6,823			4,348	1,606
Minerals	6,248	20,032	1,216	5,430	18,787	4,241		
Mowna flower	8,781	8,661	2,757	1,947			330	810
Oil-seeds	64,925	10,922	67,463	13,678			48,063	4,775
Opium	5,808	5,306	7,645	7,218				427
Paper	1,55,544	2,19,337	1,06,188	2,74,628	63,807	78,440		
Piece-goods	10,251	18,718	835	916				
Railway materials, construction account	1,20,440	1,59,129	1,36,650	2,47,134	21,786	1,10,484		
" foreign	14,890	15,337	8,374	9,057				
Roots	8,43,917	4,69,419	1,49,265	1,24,359			73,409	34,006
Salt	50,193	83,470	33,221	39,485	35,287	14,264		
Salt-petre	7,29,734	3,24,379	1,36,786	1,05,359			2,05,415	32,426
Seeds	1,811	1,782	2,308	2,334		36		
Silk	6,232	3,381	7,005	5,020			1,301	1,915
Spelter	9,708	18,570	9,136	11,237	8,502	2,044		
Spices	67,604	39,407	13,070	7,124			58,262	5,647
Stones	92,128	1,12,866	51,104	41,328	30,367	10,824		
Sugar	7,147	5,726	9,278	7,942			427	1,339
Tea	29,012	15,250	10,071	6,410			8,553	4,662
Timber	30,034	30,426	20,754	11,800			6,629	8,976
Tobacco	7,450	6,802	4,704	6,720	1,352	1,882		
Turmeric	7,092	6,051	14,532	11,776			946	2,636
Wines	1,90,482	1,61,215	1,70,232	1,85,160	14,773	14,098		
Miscellaneous								
Total	65,91,591	54,02,075	25,79,050	25,26,313	6,17,006	5,65,091	10,47,212	3,96,541

Report on the Fluctuations in Traffic on the Northern Bengal State Railway during the month of December 1879.

GENERAL REMARKS.

The heaviest weight yet lifted in any one staple in any one month has been accomplished during the month under review, and that too in the bulky article of jute. The gross weight hauled during the month stands at 1,84,956 maunds. The nearest approach to this weight was in May 1878, when 1,28,619 maunds were carried under the head of food-grain:

Increases.

Ale 1,805

The earlier despatch by the Commissariat of the hot weather stock for the Darjeeling depot, and heavy private consignments to meet Christmas requirements, are the reasons assigned for this large increase over last year's traffic in this staple.

Food-grain Mds. 25,855

The decline in prices in the Calcutta market, referred to in my last report, has affected the traffic in this staple. The total weight lifted during the month stands at 31,542 maunds (against 5,687 maunds during the corresponding month of 1878), which, although a satisfactory comparison, is a falling off as compared with last month's despatches, instead of, as might reasonably have been looked for, a considerable increase.

Jute Mds. 94,844

In the face of the season being so far advanced, the traffic in this staple goes on steadily increasing. The gross weight carried during the month under review stands at 1,84,956 maunds, against 40,112 maunds in December last year.

Piece-goods Mds. 11,517

The whole of the piece-goods traffic of the district may now be fairly said to pass over the line. The large quantities previously carried by boat for the Rungpore district now go almost entirely by rail.

Railway material Mds. 4,966

Fourteen thousand maunds of locomotive coal are included in this weight, and material for the Saidpore workshops and the tramway make up the balance.

Salt Mds. 15,664

The traffic in this article is, with the closing of water communications to our stations, steadily on the increase. Last month we carried 10,574 maunds and in December 1878 310 maunds only.

Sugar Mds. 559

The remarks made in my last report apply here.

Tea Mds. 2,391

The more favorable rate of exchange ruling for some time past has had an unfavorable effect upon the prices in the Calcutta market, and planters have no doubt been holding off in the hope of obtaining better rates.

Tobacco Mds. 10,835

The traffic under this head, although forming such a favorable comparison with the corresponding month last year, is gradually on the decline: in September over 22,000 maunds were lifted; in October and November over 17,000 maunds; and during the current month 12,543 maunds only.

All other goods Mds. 21,429

The increase under this head is in about the same ratio as last month; a little over double the weight carried for the same period last year.

Decreases.

Ginger Mds. 651

Holders of this article on the spot are demanding prices that altogether preclude business.

Gunny Mds. 6,886

The causes of the falling off under this head are explained in my last month's report.

Statement showing Increases and Decreases in maundage of Staples carried over the line during the month of December 1879.

STAPLES.	1878.		1879.		Total for 1878.	Total for 1879.	Increase in 1879.	Decrease in 1879.
	Up.	Down.	Up.	Down.				
Ale	18	6	1,830	1	26	1,831	1,805	
Food-grain	770	4,017	2,711	28,831	5,087	31,542	25,855	
Ginger		962		311	1962	311		651
Gunny bags	144	12,337	2,122	3,403	12,501	5,015		6,886
Jute		40,112	92	1,84,806	40,112	1,84,956	94,844	
Piece-goods	690	289	11,879	507	800	12,386	11,517	
Railway material	27,803	961	30,963	3,464	29,433	33,790	4,357	
Salt	224	16	15,024	50	310	15,974	15,664	
Sugar	274	37	808	2	311	559	559	
Tea		11,570		13,907	11,570	13,907	2,391	
Tobacco	5	1,703		12,543	1,703	12,543	10,835	
All other goods	12,534	4,936	31,034	7,145	17,370	38,790	21,429	
Total	42,511	77,754	97,083	2,05,554	1,20,263	3,02,591	1,82,328	

Saidpur, the 8th January 1880.

G. M. DUBRY, Traffic Superintendent.

Calcutta and South-Eastern State Railway.

Statement showing Increases and Decreases in maundage of Staples carried over the line during the month of December 1879, as compared with the corresponding period of December 1878.

STAPLES.	1879.		1879.		1878.	1879.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.		
Firewood	40,000	...	39,515	20	40,000	39,515	...	485
Hay	5,100	...	5,820	...	5,100	5,820	720	...
Wooloo	1,720	...	1,100	...	1,720	1,100	...	620
Straw	1,350	...	1,030	...	1,350	1,030	320	...
Paddy	1,000	...	1,000	...	1,000	1,000	...	...
Rice	1,000	...	2,010	...	1,000	2,010	1,010	...
Building materials ... ..	...	1,075	...	...	1,075	...	...	1,075
Machinery ... ..	...	501	...	451	501	451	50	...
Sundries	140	1,800	350	880	2,000	1,230	...	770
Total	61,005	1,875	50,645	1,037	65,880	57,885	5,510	13,617

The decrease in firewood traffic is due to less import owing to wood-cutters being engaged otherwise than in cutting wood.

The increase in hay, straw, and paddy traffic is due to favorable market at selling stations.

The increase in rice is trifling.

The decrease in wooloo is trifling.

The decrease in building materials and machinery is due to less materials and machinery having been carried during the month under notice for the Canning Rice Mills.

Calcutta, the 13th January 1880.

R. G. MOOKERJEE, Manager.

Nalhati State Railway.

Statement showing Increases and Decreases in maundage of Staples carried over the line during the month of December 1879, as compared with the corresponding period of December 1878.

STAPLES.	1878.		1879.		1878.	1879.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.		
Brass and bell-metal ware	147	...	207	...	147	207	150	...
Coal	2,053	...	7,540	...	2,053	7,540	4,500	...
Edible grains	554	2,950	10,885	3,082	3,517	13,907	10,420	...
Gunny	430	...	100	...	430	100	...	330
Oil and ghee	125	...	402	...	125	402	277	...
Piece-goods	2,343	...	1,845	...	2,343	1,845	...	498
Potatoes	800	...	525	...	800	525	...	275
Silk and silk-cloth ... ..	...	575	...	458	...	458	...	117
Sundries	1,715	414	4,332	1,072	2,120	5,404	3,284	...
Beer and wine	78	...	71	...	78	71	...	7
Total	9,185	3,938	20,000	4,612	13,143	30,052	18,748	1,230

The increase in brass and bell-metal ware is due to greater import.

The increase in coal is due to greater import for purposes of brick-burning.

The increase in edible grains is due to greater import to favorable market in the neighbourhood of Azimgunge, owing to failure of early crops on account of early floods of the Padma river and owing to destruction of crops by later flood, and also greater import to down stations.

The decrease in gunny is due to less import.

The increase in oil and ghee is due to larger import to favorable market.

The decrease in piece-goods is due to less import for want of demands.

The decrease in potatoes is due to less import for want of demands.

The decrease in silk is due to less export to unfavorable market.

The increase in sundries is due to greater import to a favorable market.

The decrease in wine and beer is trifling.

Calcutta, the 13th January 1880.

R. G. MOOKERJEE, Manager.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY—MAIN LINE.

Approximate return of Traffic for the last 11 days of December 1879 on 1,283½ miles open.

	COACHING TRAFFIC.					MERCHANDISE AND MINERAL TRAFFIC.					TOTAL TRAFFIC RECEIPTS.	TRAIN MILES R. N.				
	No. of passen- gers.	Coaching receipts.				Weight carried.	Receipts.					Coach- ing.	Merchan- dise.	Total.		
		Rs.	A. P.	£	s. d.		Mds. s.	Rs.	A. P.	£	s. d.					
Total traffic for the period	202,230	8,20,107	15 6	29,343	4 8	21,29,816	10	10,41,700	12 0	65,408	0 8	13,61,604	11 0	72,000	161,307	223,107
Or per mile of railway	.....	249	6 5	22	17 3	.....	.....	811	11 0	74	8 1	1,001	1 5	.....	.....	.....
For previous 24½ weeks of half-year	3,811,263	44,41,745	1 0	407,150	10 7	2,04,35,107	10	1,15,16,093	15 0	1,035,006	0 7	1,50,58,429	3 0	1,105,640	2,023,642	3,190,290
Total for 26½ weeks	3,618,633	47,61,853	3 6	436,503	4 3	2,95,65,228	20	1,25,68,490	11 0	1,161,104	1 3	1,73,20,333	14 0	1,907,740	3,174,980	3,412,004
COMPARISON.																
Total for corresponding period of previous year	162,949	3,11,598	12 4	28,502	15 3	24,11,514	10	8,42,040	8 6	77,187	1 0	11,53,634	4 10	67,360	180,015	317,371
Per mile of railway, corresponding period of previous year	.....	243	7 8	22	6 5	.....	.....	657	15 7	60	6 3	901	7 3	.....	.....	.....
Total to corresponding date of previous year	3,408,201	47,00,788	3 11	431,455	11 9	2,87,50,978	0	1,12,91,008	1 4	1,029,183	3 2	1,69,88,786	5 3	1,947,404	3,006,419	3,343,913

EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate return of Traffic for the last 11 days of December 1879 on 223½ miles open.

		Rs.	A. P.	£	s. d.	Mds. s.	Rs.	A. P.	£	s. d.	Rs.	A. P.			
Total traffic for the period	10,768	36,331	15 6	3,330	8 7	3,22,048	1,13,662	0 0	10,400	17 7	1,49,894	4 6	7,072	17,562	25,230
Or per mile of railway	.....	102	6 6	14	17 8	.....	507	8 8	46	10 0	660	14 8	.....	.....	.....
For previous 24½ weeks of half-year	195,314	4,57,351	6 3	41,912	17 7	2,57,201	7,35,247	13 9	67,397	14 6	11,92,479	4 0	125,955	171,264	297,489
Total for 24½ weeks	145,083	4,03,503	5 9	40,243	0 2	2,80,200	8,48,810	2 9	77,807	12 0	13,26,376	3 6	171,264	182,007	322,724
COMPARISON.															
Total for corresponding period of previous year	11,894	45,018	13 0	4,181	14 7	6,52,229	1,82,087	0 6	16,745	0 2	2,25,305	14 0	6,824	40,078	48,602
Per mile of railway, corresponding period of previous year	.....	203	14 2	18	13 0	.....	816	7 8	74	16 13	1,020	5 10	.....	.....	.....
Total to corresponding date of previous year	163,356	5,03,889	1 3	46,373	3 4	41,20,603	11,32,123	6 11	103,779	3 3	16,26,016	8 2	154,148	230,701	421,911

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 27th December 1879 on 171½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total Receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.				
		Rs. A. P.	£ s. d.		Mds. a.	Rs. A. P.	£ s. d.		
Total traffic for the week	40,837	31,250 0 0	2,904 11 8	2,22,107 0	45,409 0 0	4,102 8 0	7,000 17 8		
Or per mile of railway	254	191 15 3	16 13 7	1,293 8	264 6 1	24 6 8	40 14 0		
For previous 26 weeks of half-year	891,610	6,08,152 6 10	55,744 11 2	58,80,197 3 3	16,03,180 0 7	140,961 14 10	209,700 6 0		
Total for 26 weeks	931,967	6,30,402 6 10	58,669 2 10	61,02,304 3 3	16,43,297 0 7	151,124 2 10	209,735 5 8		
COMPARISON.									
Total for corresponding week of previous year	43,105	27,769 15 0	2,545 11 4	1,32,275 4	29,101 6 8	2,673 2 7	5,218 13 4		
Per mile of railway cor. week of previous year	272	174 14 10	16 0 9	834 0	183 11 1	16 14 9	32 17 6		
Total to corresponding date of previous year	1,013,188	6,09,428 5 2	61,914 5 8	60,20,645 3 1	15,17,450 12 1	139,109 15 7	201,920 1 3		



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JANUARY 21, 1880.

OFFICIAL PAPERS.

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Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

Saturday, the 10th January 1880.

Present:

HIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL, *presiding*,
 The Hon'ble C. T. BUCKLAND,
 The Hon'ble H. L. DAMPIER,
 The Hon'ble A. MACKENZIE,
 The Hon'ble J. O'KINEALY,
 The Hon'ble C. D. FIELD, L.L.D.,
 The Hon'ble SYUD MOULVI AMEER HOSSEIN,
 The Hon'ble BABOO MOHINI MOHUN ROY,
 The Hon'ble A. B. INGLIS,
 The Hon'ble BABOO KRISTODAS PAL, RAI BAHADOOR, C.I.E.,
 The Hon'ble J. B. KNIGHT, C.I.E.,
 and
 The Hon'ble BABOO PEARY MOHUN MOOKERJEE.

ROAD CESS AND PROVINCIAL PUBLIC WORKS CESS.

THE HON'BLE MR. DAMPIER moved that the Bill to amend and consolidate the law relating to local rating for the construction charges and maintenance of

roads and other means of communication and of provincial public works be read in Council. The Bill, he said, had been several days in the hands of hon'ble members, and the alterations which had been made in the existing law were printed in italics. As he said in asking leave to introduce the Bill, the Public Works Cess Act and the Road Cess Act were repealed, and were consolidated into this one new Bill.

The first change which he need notice was in the definition of the term "cultivating ryot;" and he must here explain that although the Bill was materially in the shape in which it had been put by the Board of Revenue, he was not personally answerable for all its provisions. In Act X of 1871, then, the definition of cultivating ryot was "a person cultivating land and paying rent therefor not exceeding Rs. 100 per annum." The cultivating ryot was the subject of a different mode of valuation from the tenure-holder. In the present Bill the definition had been changed to "a person cultivating himself or through hired labourers or others lands held in his name for which he receives no rent in money or in kind," without reference to the amount of his jumma. Objection had been made to Mr. Dampier already that such a definition would throw a good deal of trouble upon zemindars in submitting their returns. This was a matter for consideration in Select Committee.

In the definition of "immoveable property" it would be seen that houses, shops, and other buildings, were excluded. The Bill omitted the provision of the existing Act which imposed a cess upon houses. Hon'ble members were probably aware that the levy of the cess upon houses was attended with intolerable irritation and vexation. As had been frequently said, three-fourths of the discontent against the Act was caused by the levy of an eighth of its proceeds in the shape of house cess.

The next material alteration was in section 9. As the Act stood now it had indeed been interpreted to mean that when the first five years of the valuation had expired, the Government might, instead of ordering the general re-valuation of a district, direct that selected estates only be re-valued; and this interpretation had been acted upon, but the Act at any rate did not say this in so many words. As section 9 stood in the Bill, there could be no doubt whatever that it gave power to the Government to order such a re-valuation of selected estates only.

In section 10 of the Bill there was a little word, "two," in italics which meant a good deal. For this he was not responsible. Three months was allowed to zemindars to make returns under the existing law: here it was proposed to reduce the time to two months, a change which the Select Committee would have to consider.

Then he came to section 12, which, as he mentioned in his first speech, referred to the power of summarily valuing tenures of which the revenue or rent was under Rs. 100. The existing Act gave such a power of summary valuation as regards rent-paying estates, but none as regards lakhiraj estates. There was a large number of these which were very petty, and it was desirable to have the means of valuing them summarily also. Section 12 therefore provided that a lakhiraj estate which was borne on the register as such, and the rent received from which was less than Rs. 100, should be liable to summary valuation.

Section 22 was a section which was commonly introduced for the purpose of such enquiries as would be made under this Bill: it provided that the Collector might summon witnesses and enforce their attendance, and make them give evidence under the powers contained for the purpose in the Civil Procedure Code.

The proposed addition to section 26 provided for the division of the cess and the separate liability of the parties, if the parent estate was divided by butwarra into two or more estates during the currency of a valuation.

Section 27 was new. In the existing Act there was not one word about amending or modifying the valuation until the period of five years had expired, and it might be argued that no authority had legal power to change a valuation and the amount of tax calculated on it during such period. But a strict

adherence to the valuations would in some cases have caused much hardship, as for instance in cases of diluvion. The Board of Revenue had therefore, *per fas et nefas*, given relief in such cases. This section provided that although no valuation would be increased during the five years' currency, yet, for good reasons shown, the Board might reduce a valuation within that term.

Then he might mention another point which had not been introduced into the Bill, but which had since occurred to him. After the five years' currency was over, it now rested with the Government to order a re-valuation: no one would have a right to claim a new valuation unless the Government chose to order it. He thought it would be right to introduce a clause to the effect that whenever the currency of a valuation was over, a proprietor might, as of right, claim a re-valuation. He proposed to lay such a clause before the Select Committee for its consideration.

Section 32 was merely to provide for a separation of liability for cess where a separate account was opened under Act XI of 1859: this was not provided for in the existing Act.

Section 34 provided for a matter of very great executive convenience. As the law stood (section 36), it was necessary to serve a notice on each payer whenever the rate of road cess for any year had been determined by the District Committee, but frequently, if not generally, it so happened that the rate of the preceding year was continued, and then there was no change in the amount of tax payable by each person. In such cases the amount of tax payable by each was well known and no individual notice was required, and so the Bill provided: that would be of course a great saving of labour and expense.

The new portion of section 37 attempted to give some relief to zemindars as regards the difficulty of their recovering the cess from the holders of rent-free lands in their estates. It provided that if the cess for such land was not paid to the holder of the estate or tenure by due date, he should be entitled to recover from the holder of such land an additional sum equal to double the amount of the cess with all costs of suit; and in that way many items which in themselves were too trifling to be worth the trouble of recovering by compulsory process, might reach an amount which would be worth recovering.

Sections 39 to 51 contained the principal change in the Act. In referring to them it was unnecessary for MR. DAMPIER to go into details, but the object was to force into light the holders of rent-free lands which had hitherto escaped taxation. The obligation was now imposed on the zemindar to include such lands in his returns, but the zemindars had not fulfilled that obligation, because it practically entailed upon them the payment of the tax for the rent-free holders which they were not subsequently able to recover. The principle of these sections was to have a register of claims to hold lands rent-free. The holders of rent-free tenures were required to come forward and register their claims to hold land. Registration would be of the fact of the claim being made; it would be no evidence against anybody. Whoever said he held certain land without payment of rent would be registered, and thereupon would become liable to pay the cess, which would be collected by the zemindar or directly by the agency of a tehsildar: and there was a penalty imposed for not coming forward to register. It was hoped that this penalty, and also the natural unwillingness of every holder of such lands to leave his claim unregistered, would bring him forward to accept his liability to taxation under this Act, which it was now in many cases impossible to enforce.

Section 52 was new. Under the present law District Committees had entire control over the cost of establishment; but they had nothing to do with the collection of the cess. As hon'ble members were aware, the revenue officers of Government had to make the collections and hand them over to the District Committees. But if the Collector wanted an additional peadah for collecting, he was obliged to ask the permission of the District Committee. The Committee had no knowledge of the working of the collections, and it was therefore provided that the establishment for making valuations and collections, and for all other purposes connected therewith, should be appointed by the Collector, and should be paid by the District Committee upon bills presented by the Collector.

Section 81 provided that gratuities and pensions might be given out of the District Road Fund. This was new, and in addition to what was provided in that section before.

In section 87 the objects for which the District Road Fund should be expended were set out categorically.

Then he came to section 107. As the existing Act stood, the District Fund had to contribute to the establishment entertained in the "office of the Collector:" in the present Bill it stood "in the offices of the Collector, the Accountant-General, and the Board of Revenue," with regard to which alteration Mr. DAMPIER was prepared for the discussion which this Council had many a good time held on that particular subject.

Hon'ble members were aware that under the existing law the two cesses, the road cess and the provincial public works cess, were collected and the valuations made by the same establishment. The former cess was collected for the District Committees; the latter for the provincial revenues. There was no provision in the existing Acts as to how the cost of such processes should be distributed between the Government and the District Committees. Section 108 of the Bill supplied this omission, and provided that in consideration of the public works cess being collected by the same establishments, which were in the first instance paid for by the District Committees, the Lieutenant-Governor might make an assignment of such proportion of the cost of establishment as he thought right to such District Committees.

Section 109, hon'ble members were aware, re-introduced the mode of collecting these cesses, which had on a former occasion been the subject of much discussion; namely, that these cesses should be collected by the easy and simple, and, to all concerned, the cheap process by which the land revenue was now collected. The system was to fix a well known date by which the cesses should be paid, and to impose a penalty for default—the sale of the estate—which was so severe that practically the tax-payer took care not to incur it, and he took care to come in and pay the dues on or before the given date. The question was, should the cesses be collected according to that system, or should the person only, and not the estate, be followed; should they be collected as had been done hitherto very much in the way that other Government demands were collected? It would be seen that in the Bill which subsequently became Act X of 1871 as originally introduced into Council it was proposed to collect the cess as an arrear of revenue. The majority of the Council, he believed, were in favor of the proposal; but as a concession, the Lieutenant-Governor for the time being agreed that it should be given up in deference to the wishes of the minority. In the discussions some very able names were on the other side, and the argument they took was that not to make the cess recoverable as arrears of revenue was nothing but cruel kindness. If this power of realizing promptly and without cost by the fear of the estate being brought to sale was not given, it became necessary to entertain and let loose a host of peadahs with notices and processes, and all sorts of vexation attended the recovery. It would be for the Council to decide which of the two processes should be adopted: the Bill raised that question again. At present, for the levy of innumerable very trifling amounts of cess, armies of peadahs had to be kept up, and the costs often came up to the amount of arrears recovered, and more. As the Act now stood, the moveable property only of the defaulter could be followed. If the arrears were not to be levied as arrears of revenue, the power of recovering by sale of landed property (as well as of personal property) must at least be given, as was already the case for the levy of other public dues.

Lastly, Mr. DAMPIER would refer to section 112 of the Bill. There was a little haziness in the present Act as to the charge to be made for processes under the Act. It provided that the cost of certain processes should be paid for by those on whom they were served, and contemplated that the defaulter should only pay the exact cost of the process served upon him; but a large number of processes might be served by one man; and it then became impossible to say what share of the cost should be borne by each of

the persons upon whom a process was served. In practice, an average had been struck of the number of these processes and of the cost of establishment necessary for issuing them. Then the cost, whatever it might be, was spread over the total number of paying processes estimated to be issued in each district in the year, and an average amount was fixed as leviable on each process, instead of going through a calculation to find the cost of each individual process separately.

These were all the alterations of any consequence which the Bill in its present shape made in the existing law.

The HON'BLE BABOO PEARY MOHUN MOOKERJEE said there were two or three points in this Bill which called for remark. When the present Act X of 1871 was passed, the Collector had no means of ascertaining the names of all the proprietors in an estate or the extent of interest held by each proprietor. It was consequently necessary to look upon each estate as a unit of assessment, and to make all proprietors who were joint owners thereof jointly and severally liable to the cess. The working of the law for eight years had shown that that provision had been a source of great hardship to a large body of landholders. In all cases of joint ownership the entire amount of the cess was recovered by the Collector from the shareholder from whom the cess could be most easily recovered, leaving him to seek redress by means of vexatious suits against his co-sharers. But now that Act VII (B.C.) of 1876 had placed in the hands of the Collector ample information as to the names and the extent of interest of all holders of estates in the district, the tax-payers had a right to expect, and BABOO PEARY MOHUN MOOKERJEE thought with reason, that in an amended Cess Act some provision should be made for the collection of the cess from the different shareholders owning joint property in proportion to their shares.

The next point in regard to which he wished to make some remark was with reference to section 27. As had been justly remarked by the hon'ble member in charge of the Bill, the Bill gave the public authorities ample power to make a re-valuation of an estate at the end of five years. BABOO PEARY MOHUN MOOKERJEE thought that a landholder should have the right to put in new returns and to apply for a re-valuation in all cases in which the annual value of his estate had diminished since the date of the last valuation. He knew of several cases in which landholders whose assets had been reduced by the death of ryots, by relinquishment, or by diluvion since the date of the last valuation, had been obliged to pay much more than they were properly liable to pay.

But the most objectionable provision in the Bill was section 109, which sought to alter the existing law as to the recovery of arrears of cess. By Act X of 1871 arrears of cess were recoverable either by sale of the goods and chattels of the defaulter or by khas collection of the cess from the revenues of the estate by the Collector's agents. But section 109 provided that not only arrears of cess, but all fines, fees, and costs leviable under the Act, might be recovered as arrears of revenue by the sale of the estate. Hon'ble members were well aware that the cess was not payable by the holder of the estate alone, but partly by the holder of the estate and partly by the subordinate tenure-holders and ryots; why, therefore, should the estate of one person be sold for the recovery of that which was principally payable by others. Besides, if the estate were made liable to sale for the recovery of an arrear of cess however small in amount, the value of the whole property would materially depreciate, and ruin would be brought not only upon the defaulter, but also on his subordinate tennure-holders who might have paid their cess. As had been remarked by the hon'ble mover, a similar provision was contained in the original Bill which subsequently developed into Act X of 1871, and Sir George Campbell did not hesitate to call it a blot on that Bill. And if it was considered a blot at a time when the registry of proprietary titles in the Collector's office was in any but a satisfactory condition, how much more so was it now when there were complete registers of such titles. BABOO PEARY MOHUN MOOKERJEE hoped His Honor's Council would not give sanction of law to this most objectionable innovation.

The Hon'ble KRISTODAS PAL said, in asking for leave for the introduction of this Bill the hon'ble member in charge paid a well-merited tribute of praise to the memory of the late Mr. Schaleh, who brought his great ability, sagacity, and knowledge to bear on the original design and subsequent elaboration of the Road Cess Act. BABOO KRISTODAS PAL thought hon'ble members of Council, who took part in the enactment of the Road Cess Act, would allow that the Council was equally indebted to another member—alas, now no more!—who lent his thinking mind and great practical knowledge to the solution of the problem then before them, he alluded to his lamented friend Rajah Digumber Mitter. Although that gentleman was on principle opposed to the imposition of the Road Cess, still, when it was decided that the cess should be imposed, he loyally and cheerfully co-operated in giving a practical shape to the Bill; and BABOO KRISTODAS PAL believed that the great self-acting principle of assessment, to which the success of the measure was chiefly due, was first suggested by Rajah Digumber Mitter and subsequently matured by the Committee.

The object of the present Bill was to remedy some defects of the existing Act, which its working for the last eight years had brought to light. By far the most important improvement which the hon'ble member in charge of the Bill had suggested was the registration of lakhiraj tenures for the assessment of those tenures. BABOO KRISTODAS PAL thought that of all men interested in the land, the lakhiraj holders were under the greatest obligations to the State, and ought to make full contribution towards the maintenance of roads and other communications, which benefitted them so much, because they made but scant return to Government for the protection and many other blessings which they received from it. Under the existing Act they had totally escaped assessment, except here and there where the zemindar had been too honest not to conceal rent-free lands in his returns: but even then they had not paid their dues in all cases. It was nothing but legitimate and just that some measures should be devised for the assessment of lakhiraj lands for road cess purposes, and for the easy recovery of the cesses from the owners of such lands.

The hon'ble member in charge had noticed *seriatim* the modifications introduced in the Bill, for some of which he had said he was not individually responsible. As to the definition of "cultivating ryot," it struck BABOO KRISTODAS PAL that it would be practically impossible for the zemindar to distinguish who were cultivating ryots in the sense they were defined in the Bill. The "cultivating ryot" was defined to be a person cultivating himself, or through hired labourers, or others, lands held in his name for which he received no rent in money or kind. Now, under this definition all ryots subletting their lands would be excluded, and how would a zemindar know how many ryots in his estate cultivated how much of his lands in the way indicated in the Bill, and how much he underlet. This definition ought to be carefully considered by the Select Committee and adapted to the real circumstances of the country.

With regard to the mode of recovery prescribed by the Bill, viz. that an arrear of cess should be regarded as an arrear of land revenue, he entirely concurred in the remarks which fell from the hon'ble member who had just spoken. This point, as his hon'ble friend had remarked, was very fully considered by the Select Committee on the Road Cess Bill of 1871, and also by this Council when the Bill was passed. And although there were some able officers, as the hon'ble member in charge of the Bill had observed, who were in favour of declaring an arrear of cess as an arrear of land revenue, the preponderance of opinion was in favour of the other view which was embodied in the Act. And BABOO KRISTODAS PAL did not think that the history of the working of the cess for eight years had brought to light any new circumstances which would justify the abandonment of the policy that had been adopted in 1871. The hon'ble member remarked that a host of peadabs might be scattered over the country for the collection of the cess, thus doing no end of mischief and hardship to those in default. But from enquiries he had made, BABOO KRISTODAS PAL had not come to know that, under the present system, there was reasonable apprehension for any such calamity as the hon'ble member had imagined. But he believed there had been great hardship and suffering in the realization of the house cess, comprising small sums collected from small

owners of houses; and in this Bill it was proposed, he believed rightly, to do away with the house cess. But with regard to the land cess, he did not know if there had been any difficulty in realizing it from land-holders; and although the present law did not recognize the principle of treating arrears of cess as arrears of land revenue, practically in many districts the Collector took good care to realize the cess first before the land revenue. He did not think there was any necessity for a change of the law on this point.

Then he came to that part of the Bill which referred to District Committees. From what he had heard and read he must confess that, notwithstanding the earnest endeavours of Government to avail themselves of the services of these Committees, in many districts they were huge shams. The members did not practically take any interest in the proceedings, and they were generally so far off from what he might call the scene of operations that they could not, without great inconvenience to themselves, always attend the meetings of the Committees. Where there were railways or other means of communication, members residing in the mofussil did occasionally attend; but many could not attend without much self-sacrifice, and also did not care for diverse reasons to attend. The Road Cess Committee therefore, it was generally supposed, represented the official views current at the head-quarters of the district; even those non-official members who attended were said to echo the voice of the officials. It was of course not in the power of this Council to make the members of Road Cess Committees take an active part in their business if they did not choose to do so, or to infuse a spirit of independence where it did not exist, or of intelligent or enlightened thought where there was not room for it. But some provision might be made by which, as far as the legislature was concerned, the members of the Committee might be induced to take a greater interest in the administration of the fund. Looking to the provisions of the Municipal Acts, he found that certain matters were reserved for the consideration of an ordinary meeting, and certain other matters, involving large expenditure, reserved for the consideration of a special general meeting. The quorum for an ordinary meeting was small; that for a special general meeting was large: and generally special general meetings were more largely attended than ordinary meetings. If that principle were introduced into the Cess Act, and if it were provided that works which involved an expenditure of say Rs. 5,000 or upwards should not be decided at ordinary meetings, but should be laid before a special general meeting requiring a larger quorum, perhaps the members might consider these latter matters of greater importance and might feel a greater inducement to attend the special general meetings. BABOO KRISTODAS PAL would certainly make special provision for the meetings which would pass the budget estimates, as these were of the greatest importance to the district.

Then again with regard to appointments. Perhaps hon'ble members were not unaware that there was scarcely another public institution in which grosser jobberies were committed in the appointment of engineers and other officers than under the Road Cess Committees. The Government of Bengal had repeatedly issued instructions for the appointment of proper men to these offices; but those instructions had been little heeded, and private interests and influence had generally carried the day. He was sorry to say that favouritism and jobbery had run riot under many Road Cess Committees. He would suggest the insertion of a provision in the Bill giving power to Government to sanction appointments carrying salaries above Rs. 200 per mensem—a provision like that obtained in the Calcutta Municipal Act. The Chairman of the Corporation was competent to appoint persons to posts the salary of which did not exceed Rs. 200; but all appointments with salaries above that sum must be sanctioned by the Commissioners in meeting. In the same spirit the Road Cess Committee might nominate men to appointments above Rs. 200, but the ultimate sanction should rest with the Government. If the Government had a voice in the matter, he felt sure that the reign of favouritism now existing would come to an end.

Provision had been made for the grant of pensions and gratuities to Road Cess officers. At present the cost of establishment absorbed a considerable portion of the revenues of the Road Cess Committees; and practically

there was not a very large surplus left for necessary and useful works. He did not see any reason why the system of pensions should be introduced in the administration of the Road Cess. Pension was not allowed to municipal officers, nor to the officers of Guaranteed Railways, and he did not see why it should be conceded to Road Cess officers. If there was a superfluity of funds, there would be no objection; but as a matter of fact many useful works were starved for want of funds, and he did not consider it desirable that the resources of the Committees should be thrown away by granting pensions and gratuities.

Then the Bill provided that the maximum establishment charge should not exceed one-fourth of the estimated income of each year. It had been seen in some districts, and he might mention the district of Rajshahye as an example, that, although regular estimates of income and expenditure were prepared, the money was not expended, but the establishment was entertained all the same. He thought it would be more equitable to provide that the maximum cost of establishment should not exceed one-fourth of the actual expenditure on all accounts: then the Collector would make it a point to see that the works which had been estimated for were really carried out, or that the money provided for was really spent; surely, the money should not be hoarded and the cess-payers taxed without receiving the *quid pro quo*.

BABOO KRISTODAS PAL thought that the Nuddea Road Cess defalcation case ought to open their eyes as to how the Road Cess accounts should be kept. He was of opinion that some more rigorous checks and restrictions should be imposed on the disbursement of money than were contemplated in the Bill. At any rate he would associate one of the members with the Chairman and Vice-Chairman in the signing of cheques; three pairs of eyes would certainly see more than one.

In the next place BABOO KRISTODAS PAL would draw attention to the suggestion which was made in this Council in 1878 by his friend Rajah Promatha Natha Roy when the Public Works Cess Bill was under consideration. He suggested, in consideration of the trouble and loss to which zemindars were exposed in collecting the cess, that some remuneration should be given to them; and His Honor the President then said in reply that he did not think it was right at that time to propose any alteration of the scheme of the road cess, but continued—

“No doubt the amendment was upon a subject which was worthy of consideration, and His Honor had already publicly said that he was quite prepared to consider what remuneration should be given to the zemindars for the collection of these cesses. But he did not think that the Council would be in a position, without consulting the local officers of Government and others interested, to say what was the exact amount of *mohaira* which should be allowed to zemindars to cover their losses. He therefore thought the consideration of this section should stand over until the general amendment of the Act was taken up, so as to enable the Government to enquire what was the best to be done in regard to this matter.”

BABOO KRISTODAS PAL thought the time had now arrived for the consideration of that important point, and he hoped the Select Committee would direct their attention to it.

Lastly, there was one point which he found had not been included in the Bill. The Bill provided for the construction and maintenance of roads, bridges, canals (not irrigation canals), and the like; but in some parts of the country, perhaps, a light railway would be more useful than roads. A railway project, combining several districts, if carried through, might develop the resources of those districts more rapidly and effectually than any number of roads. But the Bill did not give power to the Cess Committee to set apart any portion of the cess for such purpose. BABOO KRISTODAS PAL did not propose that any contribution should be given towards the capital outlay, but perhaps some grant-in-aid towards the payment of interest on such capital would go a great way in helping forward railway schemes of the kind he had mentioned. There was, for instance, the Gya railway project which was now hailed as a blessing by all classes of the people. At one time there was much difficulty in finding means for the payment of interest for the capital to be sunk on that project. The Government looked into the Road Cess Act, but could not find therein any authority for appropriating any portion of the Road Cess Fund to

that purpose. But the short experience we had had shown that the railway to Gya had done far more good than the metalled road which had been in existence for years. Similarly, there were other parts of the country where light railways would be very useful and beneficial, and small contributions, by way of payment of interest on the capital sunk on such railways for the first few years, might perhaps give an impetus to the development of the resources of the country which the mere construction of roads and bridges would not afford. He would therefore invite the attention of the Select Committee to the consideration of this important question.

The Hon'ble Mr. DAMPIER said, in reply, that he thought it must be admitted that many of the suggestions which had been made by hon'ble members opposite were valuable and worthy of very full consideration at the hands of the Select Committee. It would only be necessary for him to notice one from which he differed *in toto*, and one other which claimed notice from its importance. He differed from the first suggestion of the hon'ble member who followed him. The hon'ble member wished, because registers had now been opened in the Collector's offices in which the shares and interests of the proprietors of each estate were set out, that the liability for the payment of road cess should no longer be joint and several. He wished that the Collector should proceed against each sharer in the estate separately for the portion of the cess due by him. Mr. DAMPIER objected to this. He might mention that he remembered the case of a petty estate in Tirhoot in which there were as many as seven hundred shareholders, and although that was an extreme case, it was well known that in many parts of the country there were numerous shareholders in one estate. Now the Bill provided that the separate liability which was secured as regards land revenue by the opening of a separate account under Act XI of 1859 should be extended to these cesses also. If any joint-proprietor wished not to be held jointly liable for the cesses, let him apply under Act XI of 1859 for the opening of a separate account.

The hon'ble member opposite (Baboo Kristodas Pal) had plainly said that much jobbery was going on in the District Committees in making appointments. Mr. DAMPIER could only say how shocked he was to hear of this, and he was only glad that it was not in the department of the administration with which he had the honor to be connected. Personally, he knew nothing of the working of the part of the Act which referred to District Committees. But if he should receive instructions from the Government to amend the Bill in that respect, he would of course propose the necessary alterations for the consideration of the Select Committee.

The last point he would notice was the suggestion to make an allowance to the zemindar for the collection of the cess. Perhaps the hon'ble member would be surprised to hear that an allowance was already made and had from the first been made to the zemindar for collecting the cess from his ryots. He would read an extract from Mr. Schaleh's speech in page 118 of the Council proceedings for 1871 :—

"The Cess Committee (that was the Executive Committee which the Government appointed to consider and frame the measure) recommended that one-fourth of the rate should be paid by the proprietor and three-fourths by the occupier. They allowed that a more just division would be one-half to each; but as the burden of collection was thrown on the proprietors, they considered that in return some remuneration should be given to them, and the mode in which they proposed to give that remuneration would be by decreasing their proportion of the cess and increasing that of the cultivators. We, however, think it more fair to make the rate equal, each paying one-half, and to provide for the remuneration of proprietors for collecting the tax in another manner. The Cess Committee proposed that a deduction should be made of one-fourth of the amount of the rate on the amount of revenue or rent payable by proprietors. We now propose to raise that deduction to one-half. Calculating the Government revenue throughout Bengal at four crores of rupees, and the gross rental at twelve crores, the one-fourth additional allowance would, at the full rate of half an anna in the rupee, amount to something over three and a quarter lakhs of rupees, and it was submitted that that was a fair remuneration to give to the zemindar for the trouble and risk of collecting the rate. Therefore, as the Bill now stood, one-half of the rate would be paid by the proprietor and one-half by the occupiers."

HIS HONOR THE PRESIDENT said he thought many of the suggestions which had been made by hon'ble members were very useful and deserving of

consideration by the Select Committee to whom the Bill would be referred; he had no doubt that they would receive careful consideration in Committee; and he felt the more satisfied that such would be the case, because it was proposed by the hon'ble mover of the Bill to put the names of the gentlemen who had spoken on the Select Committee, and they would therefore have the opportunity of urging their own views. He did not propose to follow the hon'ble members through the various suggestions which they had made, but there were two observations which had been made by the hon'ble member who spoke last (the Hon'ble Kristodas Pal) which His HONOR desired to confirm and support. One of these was as regards the appointment of officers by District Committees. He was sorry to say that there was very great truth in the remark which had been made regarding improper appointments made under the Road Cess Committees. Although people were very fond of accusing Government of being moved by personal influences when it had to make appointments, he was sorry to say that his experience showed him that no body was more open to influences of this sort than popular bodies and corporations.

The subject of the appointment of engineers, subordinate engineers, and other officers by Road Cess Committees had long since occupied His HONOR's attention, and he was sorry to say that a number of improper appointments had come to his notice: and he had already had to veto several appointments, although he was not quite sure that he had, strictly speaking, the power to do so under the Act and the rules which were passed in Sir George Campbell's time. Still he had some hesitation in moving in this matter, because he knew that the idea existed that the Government was desirous to keep all such appointments in its own hands. But he was bound to say that he had received complaints from zemindars and bodies of independent gentlemen throughout the country as to the careless and improper manner in which appointments were made by District Committees, and they had urged that the Government should take the power of appointment into its own hands in order that properly selected, and duly qualified, officers of the Public Works Department only should be appointed. These officers were too often more highly paid than necessary. The salaries of the district engineers were often much in excess of the wages the Government paid for the same class of work, and many of the officers whose services had been obtained were of very low professional standing. There was no doubt a great deal of truth in the complaint that local influence was brought to bear on District Committees which made them appoint men who were not qualified and would not have been appointed by the Government. Therefore His HONOR should be glad if the Select Committee would take this matter into consideration, and to some extent limit the power of District Committees, not only with regard to the appointment of engineers and other skilled officers, but also put some such restriction as had been proposed as to the amount of salaries to be given to such officers.

Another suggestion which had been made, and which His HONOR considered worthy of careful attention from the Select Committee, was that there should be given to the District Committee power to assign funds for the purpose of guaranteeing the interest on a light line of railway, or other means of communication, passing through a district where such a line was of more general use than a road. He believed that enormous good might be done by three or four District Committees joining together and guaranteeing the interest on capital for small lines of railway acting as feeders to main lines. The Gya railway was a case in point. If such a power had existed before the Gya railway was taken in hand, it would have been begun much sooner, for the District Committees were quite willing to come forward at the time and help. They had only to look at the extraordinary success of the Gya State Railway to convince themselves as to the desirability of some such provision being made in the Act. So long as the Gya road was merely a metalled road the cost to the Government was a lakh of rupees a year for maintenance; but although the railway had not yet been thoroughly completed it was paying the whole of the interest upon capital, and it was quite certain that as soon as sufficient rolling-stock was put on the line, it would pay even seven per cent. interest. The District Committees were, he must say, quite willing at the time to

assist in a guarantee of the interest, but there were legal difficulties in the way, and the proposal had to be abandoned. His Honor was sure that there were a great many other districts in which similar projects might be undertaken by District Committees, and therefore he should be glad that a section should be devised to enable District Committees to guarantee the interest on lines of railway passing through the district, if the scheme were approved and sanctioned by the Government.

The motion was then agreed to, and the Bill referred to a Select Committee, consisting of the Hon'ble Mr. Field, the Hon'ble Mr. Mackenzie, the Hon'ble Kristodas Pal, the Hon'ble Peary Mohan Mookerjee, and the mover, with instructions to report in six weeks.

STREET TRAMWAYS IN CALCUTTA.

THE HON'BLE KRISTODAS PAL moved that the report of the Select Committee on the Bill to authorize the making, and to regulate the working, of street tramways in Calcutta be taken into consideration in order to the settlement of the clauses of the Bill, and that the clauses of the Bill be considered for settlement in the form recommended by the Select Committee. He desired to state that only one communication had been received in respect of the Bill: it was from Colonel Tennant, the Master of the Mint. Colonel Tennant's communication had been considered by the Select Committee, and a clause had been inserted in the Bill saving the rights of existing tramways to cross any tramway constructed under the Act. There was an old tramway running from the Mint to the river bank, and the introduction of that clause was therefore considered necessary. But with regard to the representation of Colonel Tennant, that the passing of the tramway cars would disturb the automatic balances of the Mint, BAROO KRISTODAS PAL had placed himself in communication with the Chairman of the Municipal Corporation, who had been kind enough to obtain for him the opinion of Mr. Kimber, the Municipal Engineer, and of some eminent Engineers in the service of the Government.

Mr. Kimber wrote—

"In my opinion the vibration from cars running on the proposed tramway in the Strand Road will not be greater, if as great, as that caused by the existing traffic in loaded vehicles, which is constant. Much may be done by a careful and special construction of road, for such distance at all events as would be abreast of the Mint premises, and under the Act and Agreement we can see to this."

Then Mr. Souttar wrote—

"Since the receipt of Colonel Tennant's communication I have had an opportunity of consulting three eminent Engineers (all in Government service) on the point raised. They are all of the same opinion as Mr. Kimber, and indeed expressed their opinion in stronger terms than he has done. I cannot therefore think that Colonel Tennant's anticipations ought to stop the Bill. The automatic balances can, it appears, be removed; possibly, the Assay Office could also be removed further from the road. The tramway will also, it should be remembered, be a convenience to the Mint in several ways."

These opinions showed that there was no necessity for any further amendment in the Bill. BAROO KRISTODAS PAL would therefore proceed with the motion which he had just made.

HIS HONOR THE PRESIDENT said that this Bill had been very carefully considered by the Select Committee, and there did not seem to be any substantial objection to its provisions. He thought it was clear that Colonel Tennant was under a misconception as to the effect of a tramway passing along the Strand Road. It was not likely that any heavier vans and engines would pass along the road than those that now passed the Mint. His Honor did not quite understand the nature of the objection made by Colonel Tennant that the proceedings of this Council were not sent to him for consideration. It was not the custom to send copies of the papers and proceedings of the Council to the Mint Master, and he could not see why it was supposed that exception should be made in this case. Colonel Tennant seemed to have mistaken his position. The proceedings were all published in the Gazette, and if any officer had anything to say in connection with any Bill which had been introduced into the Council, he had the same opportunity of doing so that others had.

The matter had been under discussion both before this Council and before the Municipality, and he thought the special opinion of the able engineers, to which the hon'ble mover of the Bill had referred, made it unnecessary for the Council to make any change in the Bill with reference to the opinion of Colonel Tennant.

The motion was agreed to.

On the motion of the Hon'ble KRISTODAS PAL the Bill was then passed.

CALCUTTA PORT IMPROVEMENT.

THE HON'BLE MR. BUCKLAND moved that the time prescribed for the presentation of the report of the Select Committee on the Bill for amending the Calcutta Port Improvement Act, 1870, be extended for three weeks.

The motion was agreed to.

The Council was adjourned to Saturday, the 24th January.

STATE RAILWAY REVENUE REPORT FOR THE YEAR 1879-80.

GOVERNMENT OF BENGAL.
PUBLIC WORKS DEPARTMENT.—RAILWAY BRANCH.

READ—

The Progress and Administration Report and the Appropriation and Outlay Accounts of the State Railways in Bengal for 1878-79.

The capital outlay on railways during the year 1878-79 was Rs. 66,41,043, and the total outlay from commencement under this head to the 31st March 1879 amounted to Rs. 2,75,91,838, distributed as under:—

	Rs.
Northern Bengal	1,94,99,338
Tirhoot	52,31,294
Patna and Gya	25,19,834
Nalhati	3,41,372

The amount of interest for 1878-79 payable by the Government of Bengal to the Imperial treasury is Rs. 10,92,210, arrived at by calculating at the rate of $4\frac{1}{2}$ per cent on the total outlay up to the end of 1877-78 and on half the outlay of 1878-79.

The net receipts from the railways having amounted to Rs. 3,96,666, as compared with Rs. 1,68,241 in the previous year, the balance for which the provincial resources were liable was Rs. 6,95,544. The Patna and Gya line not having been opened, was earning no revenue.

The receipts of the year 1878-79 amounted to Rs. 18,11,043, against Rs. 7,56,183 in the year 1877-78.

The following shows the revenue for each railway from the several sources as compared with the previous year:—

Northern Bengal.

	Receipts, 1878-79.	Receipts, 1877-78.
	Rs.	Rs.
Coaching	3,81,331	67,149
Goods	5,12,169	79,101
Steam-boat	1,14,493	9,971
Sundries	1,40,291	27,563
Total	11,48,284	1,83,784

Tirhoot.

Coaching	1,95,231	1,76,225
Goods	1,61,155	1,25,239
Steam-boat	78,844	25,867
Sundries	18,411	20,534
Total	4,53,641	3,47,865

Calcutta and South-Eastern.

Coaching	80,610	81,047
Goods	35,923	31,579
Sundries	6,623	15,911
Total	1,23,156	1,28,537

Nalhati.

Coaching	56,993	56,384
Goods	27,949	38,222
Sundries	1,020	1,391
Total	85,962	95,997

Grand Total	18,11,043	7,56,183
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The increase in the revenue receipts of the State Railways over that of the previous year is mainly due to the completion of the Northern Bengal Railway, the Julpigoree-Silligoree section having been opened on the 10th June, and the

branch from Parbatipore to Rungpore on the 2nd July, the only incomplete portion being the short branch from Rungpore to the Teesta at Kawnea. But irrespective of the additional length of the line, it is satisfactory to observe that both passenger and goods traffic showed a steady increase from the commencement to the end of the year, the total receipts for the latter half of the year being 43 per cent in excess of those for the first half.

The receipts on the Tirhoot Railway also show a steady increase over those for the previous year, and there is no doubt that it only requires a further development of the system by extensions eastwards and westwards to bring a very much larger traffic to the railway.

The short Calcutta and South-Eastern and Nalhati lines show a decrease in comparison with the previous year's receipts. This decrease is, in the case of the Nalhati line, due to the cessation of the export of grain for famine purposes, which brought an abnormally large traffic to the line in the previous year. The passenger traffic showed a satisfactory increase.

In the case of the Calcutta and South-Eastern line, the falling off was in the passenger traffic, while the goods traffic, owing to the re-opening of the rice-mills at Canning, showed a fair increase.

The working expenses amounted to Rs. 14,14,377, against Rs. 5,87,942 for the previous year, and are divided between each railway as follow:—

Northern Bengal State Railway.

	1876-79.	1877-78.
	Rs.	Rs.
Maintenance	1,67,590	7,278
Locomotive	2,52,204	50,666
Carriage and wagon	47,834	9,697
Traffic	1,85,028	38,453
General charges	1,26,116	45,928
Steam-boat	1,31,818	5,492
Special and miscellaneous	4,861	7,897
Total	9,15,451	1,65,411

Tirhoot State Railway.

Maintenance	56,111	32,721
Locomotive	68,741	65,337
Carriage and wagon	14,557	7,472
Traffic	50,235	51,329
General charges	49,011	48,137
Steam-boat	83,340	25,675
Special and miscellaneous	19,257	6,169
Total	3,41,252	2,36,840

Calcutta and South-Eastern State Railway.

Maintenance	25,913	25,430
Locomotive	28,187	32,144
Carriage and wagon	8,164	10,447
Traffic	11,437	10,961
General charges	16,713	14,834
Special and miscellaneous	676	921
Total	91,090	94,737

Nalhati State Railway.

Maintenance	14,289	39,332
Locomotive	19,716	22,277
Carriage and wagon	10,078	7,898
Traffic	9,159	8,207
General charges	12,838	12,085
Special and miscellaneous	504	1,155

Total 66,584 90,9541

Grand Total 14,14,377 5,87,942

From this statement it appears that the working expenses of the Northern Bengal and Tirhoot lines show a large increase, while those of the Calcutta and South-Eastern and Nalhati lines show a decrease in comparison with the previous year's working expenses. In the case of the Northern Bengal line the expenses are far too heavy, and although a large increase is naturally due to the opening of the line throughout its entire length, the increase is out of all proportion, and steps have already been taken to secure a better result in future.

With regard to the Tirhoot line the increases are principally under maintenance, carriage and wagon, steam-boat, and special and miscellaneous.

The increase under maintenance is due to heavier renewals of permanent way; that under carriage and wagon to necessary repairs done to old famine rolling-stock. Steam-boat excess is owing to the heavy charges made for the hire of Government steamers, as the ferry had at the time no equipment of its own. The increase under special and miscellaneous is owing to the maintenance of the Barrh branch line having been shewn under this head.

The decrease on the Calcutta and South-Eastern line is owing to fewer repairs being necessary on engines and rolling-stock.

That on the Nalhati line is principally due to a grant having been made from capital to provide proper sleepers and fastenings, which relieved the charges under maintenance to a large extent.

The percentage of expenses to earnings are as follow :—

			1878-79.	1877-78.
Northern Bengal	...	...	79.72	90.00
Tirhoot	...	...	75.22	68.19
Calcutta and South-Eastern	...	...	73.96	73.70
Nalhati	...	...	77.45	94.73

F. S. STANTON, *Lt. Col., R. E.*,

*Officiating Joint-Secretary to the Government of Bengal,
P. W. Dept., Railway Branch.*

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 17th January 1880.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.			
Western Districts.			
BURDWAN DIVN.	1 Burdwan, Jan. 17 '80	Nil	Weather—clear; rather warm. Winter crops continue to progress favorably, except in Rameegunge sub-division; but rain wanted everywhere, and land looks very dry. Health generally very good.
	2 Bankoora, „ 17 „	Nil	Weather—since become warmer. Prospects of winter crops continue favorable. Public health good, excepting few cases of small-pox and cholera in Bishnupore sub-division.
	3 Beerbhoom, „ 17 „	Nil	Weather—bright and cool. Cold-weather crops doing well. Cholera has nearly died out.
	4 Midnapore, „ 17 „	Nil	Weather—seasonable. State and prospects of crops favorable. Harvesting of <i>aman</i> nearly finished.
	5 Hooghly, „ 17 „	Nil	Weather—warm for the season. Wind from south. Winter crops doing well. Cases of cholera still in Serampore sub-division, but no serious outbreak.
	Howrah, „ 19 „	Nil	Weather—foggy and warm. Rice harvest nearly over. All else favorable.
Central Districts.			
PRESIDENCY DIVN.	6 24-Pergunnahs, Jan. 17 '80	Nil	Weather—seasonable. Mornings and evenings foggy. Prospects of winter crops fair. <i>Aman</i> harvest nearly over. Public health generally good. Sporadic cases of cholera in Baripore.
	7 Nuddea, „ 17 „	Nil	Weather—cool and dry. Winter crops doing well, but rain wanted in north of district. Public health generally good. Prices falling.
	8 Jessore, „ 17 „	Nil	Weather—seasonable and foggy in mornings. Harvesting of <i>aman</i> nearly over. A little rain would do good to winter crops.
	9 Moorshedabad, „ 17 „	Nil	Weather—seasonable. Prospects of crops good. Transplantation of <i>boro</i> paddy going on. Fever in a mitigated form still prevalent in thana Burwa. Cholera still prevails in Berhampore town, but in a milder type.
RAJSHAHY AND COOCH BEHAR DIVN.	10 Dinagepore, Jan 16 '80	Nil	Weather—cool and seasonable with foggy mornings. <i>Rubbee</i> crops doing well. Coarse rice now 22 seers per rupee. Small-pox and cholera in some parts of district.
	11 Rajshahye, „ 17 „	Nil	Weather—cool and fair. Cutting of <i>aman dhan</i> nearly finished; outturn more than average. <i>Rubbee</i> crops promising. Reaping of <i>maskalai</i> continues. New common rice continues 16 seers per rupee.
	12 Rungpore, „ 16 „	Nil	Weather—fine, but nights somewhat foggy. State and prospects of crops continue good. Public health good.
	13 Bogra, „ 17 „	Nil	Weather—mornings misty, but clear and warm later in day. <i>Rubbee</i> crops promising. Sugarcane pressing commenced. <i>Aman</i> harvest nearly completed; outturn excellent.
	14 Pubna, „ 17 „	Nil	Weather—fine. Harvesting of <i>moong</i> and <i>kalai</i> going on. State of spring crops good. Public health good.
	15 Darjeeling, „ 16 „	0.69	Thick mist with drizzling rain and very cold damp air. Harvesting of <i>haimanti dhan</i> nearly completed; outturn will be somewhat less than last year. Wheat, barley, mustard, and peas on ground, and prospects good.
	16 Jalpigoree, „ 17 „	Nil	Weather—again become colder, and prevailing mist and fog given way to sunshine. Crops as yet promising. Rain in the Doons beneficial though slight. <i>Aman</i> about 14 annas gathered throughout district.
	Cooch Behar, „ 15 „	Nil	Weather—cloudy and looks like rain in mornings, but clears off during day. Prospects continue good; a little rain would benefit tobacco. Small-pox in places. Price of rice risen slightly.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.—(Continued.)			
<i>Eastern Districts.</i>			
Dacca Div.	17 Dacca, Jan. 17 '80	Nil	Weather—foggy in mornings. Days bright and cold. <i>Amun</i> all reaped; outturn satisfactory; other winter crops promising.
	18 Furreedpore, „ 17 „	Nil	Weather—seasonable. Mornings foggy. Harvesting of <i>amun</i> nearly completed outturn average. Prospect of winter crops good. General health good.
	19 Backergunge, „ 15 „	Nil	Weather—warm for the season. Foggy mornings now and then. Prospects of crops excellent.
	20 Mymensingh, „ 16 „	Nil	Weather—seasonable. Crops all favorable.
	21 Tipperah, „ 16 „	Nil	Weather—fair and cold. Outturn of <i>amun</i> good all over district. Winter crops promise well.
Chittagong Div.	22 Chittagong, Jan. 20 '80	0.06	Weather—seasonable. State of winter crops good. Cholera still prevailing in south. Cattle disease in some parts of district.
	23 Noakholly, „ 15 „	Nil	Weather—warmer, with southerly wind and foggy mornings. <i>Amun</i> harvest all but completed. Outturn excellent. Cold-weather crops doing well. Cases of small-pox.
	24 Chittagong Hill Tracts, „ „	.....	Return not received.
	Hill Tipperah, „ 14 '80	Nil	Weather—seasonable. <i>Amun</i> fully gathered; crop good. Mustard commenced to be gathered. State of other winter crops fair.
BEHAR.			
Patna Div.	25 Patna, Jan. 17 '80	Nil	Weather—bright and dry. Rain would now do good to <i>rubbee</i> crops.
	26 Gya, „ 17 „	Nil	Weather—cold and clear. Maximum reading in shade 80.2. <i>Aghani dhan</i> being threshed. <i>Rubbee</i> in good condition, but a shower of rain will improve it much. A few cases of small-pox in Jehanabad sub-division. Health of plough-cattle good.
	27 Shahabad, „ 17 „	Nil	Weather—seasonable. This morning (17th) a little foggy. <i>Rubbee</i> continues favorable, but rain now wanted. Prices risen to some extent. General health good.
	28 Durbhanga, „ 17 „	Nil	Weather—seasonable. Threshing of <i>aghani</i> crop nearly completed. <i>Rubbee</i> continues well. Prices stationary. Public health good.
	29 Mozufferpore, „ 17 „	Nil	Weather—seasonable. <i>Rubbee</i> prospects continue good.
	30 Saran, „ 17 „	Nil	Weather—seasonably cold. West wind prevailing. Cold-weather crops doing well; but a good shower of rain would be very beneficial. Prices stationary. Public health good.
	31 Champaran, „ 17 „	Nil	Weather—fine, but cold. <i>Rubbee</i> good. Poppy thriving.
Bhagalpore Div.	32 Monghyr, Jan. 17 '80	Nil	Weather—clear and cold. Crops good everywhere. Rain would benefit <i>rubbee</i> .
	33 Bhagalpore, „ 17 „	Nil	Weather—seasonably cold throughout week. Foggy this morning (17th). Harvesting of paddy nearly over. Prospects of cold-weather crops good. General health very good.
	34 Purneah, „ 17 „	Nil	Weather—seasonable. Some of cold-weather crops require rain. On the whole prospects good.
	35 Muldah, „ 17 „	Nil	Weather—fair, but very foggy in morning. State and prospects of crops everywhere good. Prices of all sorts of grain gone down. Public health continues good.
	36 Sonthal Pergah, „ 18 „	Nil	Weather—fine. State and prospects of crops good.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
ORISSA.			
ORISSA DIVN.	37 Cuttack, Jan. 17 '80	Nil	Weather—clear and cold. Harvesting of rice continues. Winter crops favorable. <i>Moong</i> and mustard being harvested. Fever and small-pox still prevalent. Common rice 18½ to 21 seers per rupee.
	38 Pooree, „ 15 „	Nil	Weather—hot for the season. <i>Sarad</i> rice nearly harvested. <i>Dalua</i> progressing well. Sugarcane pressing still continues. New molass has come into market. Other crops doing well. Mango blossoms sprouting pretty well. Rice being exported to Madras Presidency on Chilka Lake. Fever still in places. Common rice 17 to 26 seers per rupee.
	39 Balasore, „ 16 „	Nil	Weather—clear; heavy dews at night. Main rice harvest finished. <i>Rubbee</i> crops in good condition. Public health normal.
CHOTA NAGPORE.			
South-West Frontier Agency.			
40	Hazarcebagh, Jan. 16 '80	Nil	Weather—clear and bright. Warmer than preceding week. Midday sun powerful. Wheat, barley, mustard, and other crops favorable. Paddy reaped, and fields now being ploughed. Rain wanted.
41	Lohardugga, „ 17 „	Nil	Nights and mornings cool. Days warm. Rain wanted for <i>rubbee</i> crops. Small-pox on the increase. General health otherwise good.
42	Singbhoom, „ 16 „	Nil	Weather—warm for the season. Some rain will do good to winter crops. Cattle disease in Turuf Bohragora in pergunnah Dalbhoom.
43	Manbhoom, „ 17 „	Nil	Weather—clear; mornings cold; days warmer. Wheat, barley, mustard, cotton, and sugarcane on ground. All others reaped. Prospects good.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,
The 20th January 1880.A. MACKENZIE,
Secy. to the Govt. of Bengal.

RETAIL PRICES-CURRENT OF FOOD-GRAINS, FIREWOOD, AND SALT IN THE
UNDERMENTIONED DISTRICTS OF BENGAL FOR THE
FORTNIGHT ENDING 15TH JANUARY 1880.

RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the und

Number.		DISTRICTS.	QUANTITIES PER RUPEE																													
			WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLET— CUMBOO, RAJRA.			GRASS MILLET— CHOLU, JOWAR.			LARGER MILLET— RAGI OR MURAI AND CHENNA.											
			Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
BENGAL.																																
Western Districts.																																
1	Burdwan	11 0	10 8	11 4	18 0	18 0	19 0	15 0	15 4	13 8	16 0	16 0	14 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Bankura	11 0	9 0	10 4	14 0	14 0	14 0	13 5	13 5	12 0	20 0	20 0	17 8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Beerbhoom	11 0	11 0	11 0	...	...	...	14 0	14 0	10 8	18 0	18 0	13 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Midnapore	11 0	11 0	11 0	...	...	...	12 0	12 0	10 0	15 0	15 0	15 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	Hooghly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Howrah	11 8	12 0	10 8	...	...	...	11 0	10 0	9 8	16 8	16 8	11 8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Central Districts.																																
7	Calcutta	11 9	11 4	10 4	17 8	18 0	18 4	6 10	6 10	5 11	12 0	12 0	10 0	...	...	...	16 0	16 0	16 0	...	...	...	...	...	...	...	...	...	...
8	24-Pergunnahs	...	...	...	...	...	...	7 4	6 10	6 0	12 4	12 0	10 8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Nadua	11 7	12 12	11 14	...	...	...	12 12	12 12	10 0	18 10	13 5	10 10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	Jessore	9 0	9 0	11 0	...	...	...	11 0	11 0	8 0	15 0	15 0	12 12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	Mooredabad	10 0	11 4	12 0	...	...	...	14 0	14 0	11 4	16 8	16 8	12 8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	Dinapore	9 9	9 12	9 14	14 0	14 0	19 3	13 3	13 0	12 0	15 9	18 0	14 6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	Rajshahye	11 4	12 0	12 0	15 0	...	11 4	9 12	16 0	10 8	15 0	17 0	13 8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	Rangpore	11 4	11 4	8 0	...	...	...	11 8	9 4	9 0	17 5	17 5	14 12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	Bogra	9 15	10 2	12 0	...	...	...	12 0	9 0	9 12	19 8	20 4	13 8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	Pabna	10 0	10 0	13 0	...	...	...	8 0	6 0	6 0	16 8	17 8	13 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	Darjeeling	8 0	8 0	8 0	8 0	8 0	8 0	4 8	4 0	4 0	10 0	11 0	10 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	Julpigore	10 0	8 0	8 0	...	...	...	13 0	8 0	6 3	16 0	20 0	11 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Eastern Districts.																																
19	Dacca	10 12	10 8	9 8	16 0	16 0	...	16 0	16 0	9 0	20 0	17 10	12 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	Farredpore	12 0	12 0	13 0	17 0	17 0	14 0	6 8	6 8	6 0	17 0	17 0	12 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	Hackergunge	...	...	...	...	...	...	13 0	13 0	11 0	18 0	18 0	12 8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	Mymensingh	10 0	10 0	10 0	...	...	...	16 0	16 0	10 8	18 0	18 0	11 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Return not received.

A In the interior the prices range as follow :—Wheat 12 to 12½ seers, barley (in Culna) 26 seers, best rice 13½ to 14½ seers, common rice 15½ to 19½ seers, and gram 13 to 18½ seers.

B In the interior the prices range as follow :—Wheat 9 to 12 seers, barley 17 to 34 seers, best rice 11 to 16 seers, common rice 16 to 18 seers, maize or Indian-corn 25 to 32 seers, and gram 9½ to 12 seers.

C In the interior the prices range as follow :—Wheat 10 to 18 seers, best rice 13 to 18 seers, common rice 14½ to 21 seers, and gram 10 to 12 seers.

D In the interior the prices range as follow :—Wheat 10½ to 11½ seers, barley 16 seers, best rice 6½ seers, common rice 10½ to 16 seers, and gram 12 to 19½ seers.

E In the interior the prices range as follow :—Wheat 10 to 16 seers, barley 14 to 20 seers, best rice 7½ to 13½ seers, common rice 14 to 18 seers, maize or Indian-corn 25 to 32 seers, and gram 10 to 18½ seers.

F In the interior the prices range as follow :—Wheat (in Narai) 8 seers, best rice 7 to 11 seers, common rice 13 to 18 seers, and gram 8 to 10 seers.

G In the interior the prices range as follow :—Wheat 10 to 10½ seers, best rice 12 to 17 seers, common rice 16½ to 18 seers, and gram 12 to 18 seers.

H In Roygunge the prices are—Wheat 10 seers, best rice 14½ seers, common rice 17 seers, and gram 10 seers.

SUPPLEMENT TO THE CALCUTTA GAZETTE, JANUARY 21, 1880.

tioned Districts of Bengal for the Fortnight ending 15th January 1880.

PEER OF 80 TOLAH.												AVERAGE WAGES PER MONTH.												DISTRICTS.
HIND OR INDIAN-CORN.				GRAM.		FIREWOOD.		SALT.		ABLE-BODIED AGRICULTURAL LABOURER.		STEEL OR HONOR-KEEPER.		COMMON MASON, CARPENTER, OR BLACKSMITH.										
Next preceding return	Corresponding return of last year.	Present return.	Next preceding return	Corresponding return of last year.	Present return.	Next preceding return	Corresponding return of last year.	Present return.	Next preceding return	Corresponding return of last year.	Present return.	Next preceding return	Corresponding return of last year.	Present return.	Next preceding return	Corresponding return of last year.								
BENGAL.																								
Western Districts.																								
Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.								
...	...	12 0 11	10 4	80 0	80 0	100 0	9 8 10	0 10 4	7 8	7 8	9 8	6 8	6 0	11 0 10	10 0	15 0								
...	...	10 10	10 10	10 8	280 0	280 0	36 0	8 8	8 8	9 0	7 0	7 0	7 0	1 8	1 8	1 8								
0 39 0	30 0	10 10	10 10	10 8	280 0	280 0	36 0	8 8	8 8	9 0	7 0	7 0	7 0	1 8	1 8	1 8								
...	...	11 8	11 8	9 0	180 0	180 0	150 0	9 0	9 0	9 0	5 0	5 0	5 0	5 0	5 0	5 0								
...	...	9 0	10 0	9 0	160 0	160 0	160 0	9 0	9 0	9 0	7 0	7 0	5 0	5 0	5 0	5 0								
...								
...	...	12 8	12 8	10 8	105 0	106 0	105 0	10 0	10 0	9 12	6 0	10 0	10 0	6 5	6 8	6 8								
...								
...	...	12 4	12 0	10 8	100 0	90 0	90 0	9 0	9 0	9 0	6 0	6 0	6 0	6 0	6 0	6 0								
...	...	13 5	14 8	10 10	120 0	100 0	110 0	9 11	9 11	9 6	7 8	7 8	7 8	7 8	6 0	7 8								
...	...	10 8	10 8	10 0	110 0	110 0	110 0	8 0	8 0	8 0	7 8	7 8	7 8	6 0	6 0	6 0								
...	...	11 8	12 0	10 0	120 0	120 0	120 0	7 0	7 0	8 0	4 8	1 11	1 8	4 0	4 0	4 0								
...	...	10 0	0 10	0 0	180 0	160 0	180 0	8 4	8 4	8 4	5 0	4 0	5 0	5 0	5 0	5 0								
...	...	12 0	12 0	9 0	240 0	240 0	200 0	9 0	9 0	9 0	5 0	5 0	5 0	5 0	5 0	5 0								
...	...	9 0	0 0	8 0	120 0	120 0	105 0	7 14	7 14	6 0	7 8	7 8	6 8	6 0	6 0	6 0								
...	...	10 14	10 2	0 0	67 8	67 8	67 8	8 7	8 10	8 10	6 0	6 0	6 0	6 0	6 0	7 0								
...	...	11 0	10 0	10 0	200 0	200 0	200 0	9 0	9 0	10 0	...	...	...	...	...	...		
0 16 0	16 0	6 0	0 0	0 0	160 0	160 0	160 0	4 8	4 8	5 0	7 0	7 0	7 0	8 0	8 0	8 0								
...	...	8 0	8 0	8 0	64 0	64 0	75 0	8 0	8 0	8 0	7 8	7 8	7 8	6 0	6 0	6 0								
Eastern Districts.																								
...	...	12 4	11 13	8 8	108 0	106 0	98 0	6 0	9 0	9 0	5 0	5 0	5 0	5 0	5 0	5 0								
...	...	9 0	9 0	8 0	...	...	...	9 0	9 0	9 0	5 0	5 0	5 0	6 0	6 0	6 0					
...	...	10 0	10 0	9 0	100 0	100 0	80 0	8 8	8 8	9 0	7 8	7 8	7 8	6 0	6 0	6 0								
...	...	9 8	10 0	8 0	...	...	...	8 12	8 12	8 8	7 8	6 8	7 8	6 8	6 8	6 8					

I In the interior the prices range as follow :—Wheat 11½ to 15 seers, best rice 9 to 18 seers, common rice 18 to 20 seers, and gram 8 to 8 seers.
J In Natter the prices are—Wheat 10½ seers, best rice 8½ seers, common rice 15 seers, and gram 10½ seers.
K In Serajunge the prices are—Wheat 12 seers, best rice 7½ seers, common rice 15 seers, and gram 10 seers.
L In the interior the prices range as follow :—Best rice 5 to 12 seers, common rice 12 to 13 seers, lesser millets (in Kurseong) 13 seers, maize or Indian-corn (in Kurseong) 13 seers, and gram 6 to 7 seers.
M In the interior the prices range as follow :—Best rice 7 to 13 seers, common rice 14 to 23 seers, and gram 7½ to 8 seers.
N In the interior the prices range as follow :—Best rice 12 to 18 seers, common rice 18 to 20 seers, and gram (in Narnagunge) 10½ seers.
O In the interior the prices range as follow :—Wheat (in Goalundo) 14 seers, barley (in Goalundo) 18 seers, best rice 10 to 12 seers, common rice 16 to 21½ seers, and gram (in Goalundo) 8 seers.
P In the interior the prices range as follow :—Best rice 12 to 15½ seers, common rice 14 to 16½ seers, and gram 8 seers.
Q In the interior the prices range as follow :—Wheat 10 seers, best rice 8 to 25 seers, common rice 16 to 30 seers, and gram 8½ to 10 seers.

WHOLESALE PRICES-CURRENT of Food-grains Firewood, and Salt in

Number.	MARKS.	PRICES PER MAUND														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULWAT MILLET— CUMBOO, BAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta	3 7 0	3 8 0	3 13 0	2 4 0	2 8 0	2 15 0	6 0 0	6 0 0	7 0 0	3 5 0	3 5 3	4 0 0	...	...	...
2	Serajunge	3 4 0	3 4 0	4 0 0	...	...	...	5 0 0	1 8 0	5 8 0	2 8 0	2 4 0	3 12 0	...	...	...
3	Dacca	3 11 0	3 12 0	4 2 0	2 8 0	2 8 0	...	2 6 0	2 0 0	{ 4 0 0 to 4 6 0 }		1 14 0	1 14 0	3 6 0	...	...
4	Narsaungge	...	...	...	...	...	...	2 4 0	2 4 0	3 10 0	2 2 0	2 0 0	3 8 0	...	...	...
5	Chittagong*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Patna	2 5 0	2 5 0	2 13 0	1 10 0	1 13 0	2 0 0	3 1 3	3 10 0	4 5 0	2 3 0	2 5 0	2 5 0	...	...	...
7	Balasore	4 0 0	6 0 0	4 6 0	...	...	...	3 2 0	3 2 0	3 2 0	2 8 0	3 0 0	2 10 0	...	...	...
8	Poorce	...	...	...	...	...	...	...	...	...	2 6 0	2 6 0	2 6 0	...	...	...
9	Cuttack	3 10 0	4 8 0	3 0 0	...	...	...	3 10 0	3 4 0	3 4 0	2 0 0	2 2 0	2 5 0	...	...	...

* Return not received.

CALCUTTA,

The 20th January 1880.

the undermentioned *Marts* of Bengal for the Fortnight ending 15th January 1880.

OF 40 SHEELS.

GRASS MILLET— CHOLU, JOWAR.			LUSKAT MILLET— RAGI OR MURWA AND CHHENA.			MAIZE OR INDIAN CORN.			GRAM.			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	
2 8 02	2 8 07	2 8 0	...	...	...	2 0 02	2 0 03	2 0 0	2 12 0	2 0 04	0 0 0	0 6 30	6 30	6 0 0	4 0 04	0 04	0 04	Calcutta.
...	3 14 0	3 14	0 5 0 0	...	...	...	4 6 04	6 04	6 0	Serajunge.
...	3 20	3 4	0 4 10 0	0 6 00	6 00	6 0	4 2 04	3 04	6 0	Dacca.
...	3 10 0	3 10	0 3 15 0	0 8 00	8 00	13 0	4 4 04	5 04	4 0	Narsingunge.
...	Chittagong.*
...	1 12 0	1 12 0	1 6 0	2 5 6	2 5 6	0 4 0 0	0 4 90	4 90	4 9	4 10	0 4 10	0 5 0 0	Patna.
...	5 0 0	5 0	0 6 0 0	0 3 60	3 60	6 0	4 6 04	2 05	0 0	Balaore.
...	Pooree.
...	2 5 0	4 3 0	5 14 0	...	...	...	2 5 0	2 10	0 2 10 0	0 4 0	0 4 0	0 3 0	3 5 0	3 8 0	3 8 0	Cuttack.

Published for general information.

A. MACKENZIE,
Secy. to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 11th to 17th January 1880

Month.	Date	Maximum in sun.	Mean pressure barometer at 33° Fah.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1880.		☉	Inches	°	°	°	°	°	Inches	°	%			Inches	
Jan.	11th	135.6	29.860	63.6	70.2	27.2	52.0	57.6	0.405	53.1	71	Till 1 P.M. S W, till midnight W by S.	18	Nil	Clear, f & w.
"	12th	137.6	29.880	63.2	73.4	26.7	51.7	56.1	0.350	49.8	65	chiefly W by S.	20	...	Clear, f & w.
"	13th	137.7	29.928	65.4	77.9	22.5	55.4	61.0	0.512	50.6	82	Till 4 P.M. S W by W, till midnight W S W.	41	...	Chiefly clear, f & w.
"	14th	141.4	29.945	68.1	80.0	19.7	60.3	63.8	0.539	61.0	80	Till 9.45 A.M. W S W, till 7 P.M. chiefly S W by W, till midnight S W by S.	73	...	Chiefly clear, f & w.
"	15th	133.2	29.907	65.3	76.6	20.3	56.3	58.4	0.400	52.8	67	Till 9 A.M. S W by S, till noon chiefly N through W and N W, till midnight S W, N W by W.	39	...	Clear, f & w.
"	16th	135.0	29.921	64.2	80.5	20.0	61.5	57.0	0.405	53.1	69	Till 2 A.M. N W by N, till 11 A.M. S S E, through W and S W, till 4 P.M. S W by W, through S, till midnight S S W.	93	...	Clear, f & w.
"	17th	130.5	29.901	63.9	82.4	21.0	61.4	65.4	0.590	63.5	84	Till 9 A.M. S S W, till noon S W, till midnight S S W.	147	...	Clear, f & w.

The mean pressure of the seven days ...

The average pressure of the corresponding period for 24 years S. G. Office ...

Inches.

29.915

80.025

The mean temperature of the seven days ...

The average temperature of the corresponding period for 24 years S. G. Office ...

The extreme variation of temperature during the seven days ...

The maximum temperature during the seven days ...

☉

65.5

66.9

30.9

82.4

%

The mean relative humidity during the seven days ...

The average relative humidity of the corresponding period for 24 years S. G. Office ...

74

70

Inches.

The total fall of rain from 11th to 17th January 1880 ...

The average fall of the corresponding period for 24 years S. G. Office ...

The total fall from 1st to 17th January 1880 ...

The average fall of the corresponding period for 24 years S. G. Office ...

Nil.

0.08

Nil.

0.14

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h., and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

f fog, w dew.

METEOROLOGICAL OFFICE, INDIA

The 19th January 1880.

HENRY F. BLANFORD.

Meteorological Reporter to the Government of India.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for first 10 days of January 1880 on 1,507 miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.			TRAIN MILES RUN.		
	No. of passengers.	Coaching receipts.		Weight carried.	Receipts.		Receipts.	Receipts.	Rs.	A. P.	P.	Coach- ing.	Merchan- dise.	Total.
		Rs.	A. P.		Rs.	A. P.	Rs.	A. P.						
Total traffic for the period	199,663	8,43,651	15 0	31,501	8 7	22,11,341	0	9,27,636	13 0	85,033	7 6	74,323	157,434	231,761
Or per mile of railway	.....	228	0 0	20	18 0	.....	.....	615	7 2	56	8 4	843	7 2	.....
For previous weeks of half-year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 10 days	199,663	8,43,651	15 0	31,501	8 7	22,11,341	0	9,27,636	13 0	85,033	7 6	74,323	157,434	231,761
COMPARISON.														
Total for corresponding period of previous year	199,201	2,98,304	0 3	27,344	10 9	24,15,953	30	10,05,701	11 1	92,104	16 5	82,900	195,630	278,600
Per mile of railway, corresponding period of previous year	.....	107	14 8	18	2 10	.....	.....	607	4 0	81	3 4	865	3 2	.....
Total to corresponding 11 days	199,201	2,98,304	0 3	27,344	10 9	24,15,953	30	10,05,701	11 1	92,104	16 5	82,900	195,630	278,600

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for last 1 days of December 1879 on 171½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		Receipts.		
		Rs.	A. P.		Rs.	A. P.			
Total traffic for the week	16,513	17,461	0 0	1,600	11 10	1,32,680	0	1,32,680	5,236 1 10
Or per mile of railway	107	101	10 7	9	6 4	772	21	230	80 0 9
For previous 26 weeks of half-year	932,708	6,52,492	2 10	58,609	2 5	60,50,189	26	16,52,564	210,183 16 5
Total for half a year	950,221	6,56,803	2 10	60,209	14 5	61,82,819	26	16,99,226	215,424 18 3
COMPARISON.									
Total for corresponding week of previous year	34,800	26,197	15 7	2,461	0 7	1,91,972	8	36,989	5,792 4 1
Per mile of railway, corresponding week of previous year	220	165	0 5	15	2 7	1,117	30	235	36 9 9
Total to corresponding date of previous year	10,48,178	6,95,626	4 9	64,315	15 3	62,22,520	39	15,69,549	206,815 5 4

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for first 3 days of January 1880 on 171½ miles open.

		Rs.	A. P.	Rs.	A. P.	Mds.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.
Total traffic for the week	15,658	12,011	0 0	1,101	0 2	80,730	17,004	0 0	1,555	14 0	2,630	14 2
Or per mile of railway	90	69	14 11	6	8 3	505	99	0 1	9	1 6	15	9 9
For previous weeks of half-year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for first 3 days	15,658	12,011	0 0	1,101	0 2	80,730	17,004	0 0	1,555	14 0	2,630	14 2
COMPARISON.												
Total for corresponding week of previous year	18,300	13,120	0 9	1,202	13 5	47,543	9,280	1 0	851	10 4	2,054	3 0
Per mile of railway, corresponding week of previous year	116	82	10 3	7	11 0	297	58	8 4	5	7 4	12	18 10
Total to corresponding date of previous year	18,300	13,120	0 9	1,202	13 5	47,543	9,280	4 6	851	10 4	2,054	3 0

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 10th January 1880 on 171½ miles open.

		Rs.	A. P.	Rs.	A. P.	Mds.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.
Total traffic for the week	41,459	33,554	0 0	3,103	5 8	2,02,391	37,332	0 0	3,421	2 0	6,524	7 8
Or per mile of railway	201	197	1 10	18	1 4	1,178	217	5 9	19	18 5	37	19 9
For previous 1 week of half-year	15,658	12,011	0 0	1,101	0 2	80,730	17,004	0 0	1,555	14 0	2,630	14 2
Total for 3 weeks	57,117	45,865	0 0	4,204	5 10	2,80,130	54,336	0 0	4,979	16 0	9,194	1 10
COMPARISON.												
Total for corresponding week of previous year	33,476	28,083	8 6	2,574	6 6	1,40,137	27,075	14 2	2,564	9 1	5,153	15 7
Per mile of railway, corresponding week of previous year	228	176	14 6	16	4 4	832	170	3 7	16	3 1	32	9 8
Total to corresponding date of previous year	55,836	41,803	9 3	3,770	19 11	1,87,089	37,805	2 8	3,415	19 5	7,192	14 6



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JANUARY 28, 1880.

OFFICIAL PAPERS.

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RESOLUTION ON THE REPORT ON LUNATIC ASYLUMS IN BENGAL BY THE COMMITTEE ON MEDICAL EXPENDITURE.

MEDICAL AND MUNICIPAL DEPARTMENT—MEDICAL.

Calcutta, the 26th January 1880.

RESOLUTION.

READ—

Report on the Lunatic Asylums in Bengal by the Committee appointed to enquire into Medical Expenditure in Bengal.

THE Committee appointed to investigate the subject of medical expenditure in Bengal have now completed another branch of their enquiry, and submit a report on the lunatic asylums of the province. In drawing this up they have only been able personally to inspect the asylums at the Presidency; but they have gone carefully into the working of the other asylums, as shown in the annual reports, and have been in direct correspondence with the Superintendents in all matters of doubt or difficulty.

2. The Committee had at first intended to take a comparative view of the general working and expenditure of the different institutions from the year 1862 up to date; but they very soon discovered that the annual returns upon which the head of the Medical Department and the Government itself have for years past been basing inferences, orders, and resolutions, are in fact, though arithmetically correct, practically only misleading. In spite of the orders of Government and of the general rules introduced in 1872, the system of accounts and the mode of filling up the returns have been found to differ in each asylum, while conclusions unfavourable to the management of some institutions that had apparently a safe basis to rest upon in the tabulated results, have proved on closer investigation to admit of the most full and satisfactory explanation.

3. Under these circumstances the Committee have acted wisely in taking up in detail only the accounts for 1877 and 1878, and analysing these so as to bring out and explain the differences and variations, real or apparent, in the working of the different asylums.

4. Taking first the item of *establishment*, the cost per patient in each institution (omitting Bhowanipore) is shown in the following table:—

	1877.			1878.		
	Cost per patient.			Cost per patient.		
	Rs.	A.	P.	Rs.	A.	P.
Dullunda	94	2	7	92	6	4
Dacca	43	2	11	45	13	1
Patna	40	4	5	42	11	4
Cuttack	71	4	3	67	11	3
Berhampore	43	5	4	37	0	8
Hazareebagh	37	9	1	41	9	5

When these figures come to be analysed, much of the difference of cost is found to be accounted for by the constitution of the management, which has in each case been fixed by Government with reference to local circumstances and other considerations. At four asylums—Dacca, Patna, Berhampore, and Hazareebagh,—where the average strength is nearly equal, the cost assimilates very fairly. The Superintendent at each receives Rs. 250 a month, and the Deputy Superintendents Rs. 100 at Dacca, Patna and Hazareebagh, and Rs. 70 at Berhampore. Local differences of pay among the establishments account for part of the remaining differences. As to Dullunda and Cuttack, the Committee observe—

“The establishment at Dullunda is altogether exceptional. It has (with Bhowanipore) a Superintendent to itself, and is weighted with half of his pay as a Surgeon-Major of more than 25 years’ service. It has a Deputy Superintendent, who, beginning on Rs. 100 a month, as in the other asylums, has by long and approved service had his pay gradually increased to Rs. 250. It has a matron on Rs. 50, whereas Patna and Hazareebagh pay only Rs. 25, and the others have no matron; and being situated at Calcutta, where prices are much higher than in the provinces, it has to give larger wages to almost every servant it employs; while, as most of its servants have been in the asylum for years, their wages have been increased with length of service. Its keepers are trained men of an exceptionally good type, and it is absolutely necessary to pay them fairly to retain their services. So well have they done their work that there has not been a single case of violence during the last two years. At Dacca there have been constant complaints of the inefficiency of the keepers and the insufficiency of the pay given. Cases of violence are not uncommon, and the same may be said of Hazareebagh. These considerations go far to account for the high average at Dullunda. Deducting the excess in the Superintendent and Deputy Superintendent’s pay over the similar items elsewhere, reduces the cost, Rs. 30 per patient, and the difference in wages reduces it Rs. 11 more. There are several servants rendered necessary by conditions not apparently obtaining in other asylums—a gasman, four door-keepers, and two bakers. These cost Rs. 3-6 per patient. Allowing for all these items, the net cost is reduced to about Rs. 47-12 per patient in 1878, and it is only on this figure that comparison with the other asylums (excluding Cuttack) is possible. In the absence of the necessary local knowledge as to the details of plan, buildings, office work, and watch-and-ward, the Committee cannot explain the comparatively small variations which now remain; but they probably chiefly result from variations in numbers not met by corresponding reduction of establishment. A certain establishment is necessary, entirely independent of average strength. Extra keepers must be engaged as numbers rise, but a great proportion of the establishment is fixed, and would remain the same whether the numbers were halved or doubled. In all the asylums there has been a considerable fall in numbers within the last few years, but this is especially the case in Dullunda. In 1873 the daily average strength was 369; last year it was 204. At Dacca in 1873 it was 244; last year 196. The cost per patient at Dullunda was Rs. 52 in 1873 and Rs. 92 in 1878 in spite of large reductions in the subordinate establishment. At Dacca the figures are Rs. 35 and Rs. 46. The subordinate establishment at both asylums has been reduced; but the fall in numbers has more than kept pace with the reductions; the fixed establishment has remained the same, and the average cost per patient has risen greatly, entirely apart from any asylum control. This example is sufficient to show the very deceptive nature of averages *per patient*. The point is, however, even more conspicuously illustrated in the case of Cuttack. Reference to Table II will show that in its establishment and its rates of pay it compares most favourably with other asylums. Its Superintendent receives only Rs. 150 instead of Rs. 250, as at the other provincial asylums, or Rs. 609 at Dullunda. It has a native overseer on Rs. 25 in place of a European at Rs. 100 or Rs. 250. Its writer receives only Rs. 10, against Rs. 34 to Rs. 60, and its native doctor Rs. 10 instead of Rs. 25 or Rs. 30; yet it has always occupied the second or third place in the order of comparative costliness. The combined pay of the Superintendent and Overseer is less than half what it is at Patna, yet the cost per patient is more than double. The reason is that Cuttack has only about a quarter of the number of patients under treatment at Patna.

5. The general conclusion come to by the Committee is that no just comparison of the relative cost for establishment is possible, and that the establishment in all asylums is, so far as they can judge, moderate. The Lieutenant-Governor sees no reason to dissent from this conclusion; but he desires that

the Surgeon-General will, as opportunity for inspection offers, look closely into the details of the subordinate establishments, and suggest such modifications as may seem warranted. The Inspector-General of Jails, who is *ex-officio* a visitor of all asylums, might also be requested to note specially on this question when he makes his periodical visits.

6. The question of *diet* was one to which the Committee were asked to give special attention, but they have found so much variation in the mode of accounting for supplies in the different asylums that any just comparison is impossible. The figures as taken out of the reports are these—

			1877.			1878.		
			Cost per patient.			Cost per patient.		
			Rs.	A.	P.	Rs.	A.	P.
Dullunda	...	...	57	13	9	55	12	7
Dacca	...	...	56	10	9	65	1	3
Patna	...	...	45	14	8	54	12	2
Cuttack	...	...	37	6	9	35	10	1
Berhampore	...	...	36	11	6	44	6	0
Hazareebagh	...	...	35	0	8	39	13	3

Speaking broadly, the differences are mainly accounted for by local differences of price; but there seems to be also great diversity of practice in the way of accounting for garden produce raised by the asylums, labor in husking rice and grain by the lunatics, and the like. There is also a want of uniformity in the diet-scales both as regards character and quantity. The Superintendents are generally opposed to any attempt to lay down a compulsorily uniform scale, on the ground that the price of dietary articles and the usual diet of the people vary greatly in each district. The Committee support the views of the Superintendents, and the Lieutenant-Governor will not press for the adoption of any uniform scale.

7. The Committee have gone very fully into the question of diet in connection with Dullunda. They report as follows:—

The following table shows the component parts of the full diet which has been in use at different times since 1856. Various minor changes have been made from time to time:—

ARTICLES.		In 1856.	From 1866 to 31st August 1869.	From August 1869 to August 1872.	From 1st Sept. 1872 to 14th March 1879.	Present scale.
Wheat flour	...	1 chittack	Nil	Nil	5 chittacks	6 chittacks.
Rice	...	9 chittacks	10 chittacks	10 chittacks	4 " "	4 " "
Pulses	...	2 " "	2 " "	1 chittack	1 chittack	2 " "
Meat	...	4 " "	2 " "	2 chittacks	2 chittacks	Nil.
Fish	...	2 " "	2 " "	Nil	Nil	Nil.
Oil	...	Nil	1 chittack	1 chittack	1 chittack	1 chittack.
Ghee	...	Nil	Nil	Nil	Nil	Nil.
Salt	...	1 chittack	1 kutcha	1 kutcha	1 " "	1 kutcha.
Onions	...	Nil	Nil	Nil	Nil	chittack.
Spices	...	1 chittack	1 kutcha	1 kutcha	1 " "	1 kutcha.
Vegetables	...	4 chittacks	2 chittacks	2 chittacks	2 chittacks	2 chittacks.
Firewood	...	Not stated	1 seer	1 seer per patient.	1 md. & 5 srs.	1 md. & 5 srs.
Coal or coke	...	...	Nil	Nil	1 md. & 15 srs.	1 md. & 15 srs.
Butter	...	1 ounce	" "	" "	Nil	Nil.
Chocolate	...	" "	" "	" "	1 ounce	1 ounce.
Betel and pan	...	" "	" "	" "	" "	" "

* On alternate days.

† Discontinued in 1875.

The quality of the articles has invariably been excellent, the principle laid down by Government in the Asylum Rules being that all articles must be equal "to the best kind in use among the corresponding classes of persons in the neighbourhood." In 1857, Dr. Cantor writes: "They are far superior to those which the patients are accustomed to in health." Successive Deputy Surgeons-General testify to this, and to the excellence of the cooking and arrangements for feeding. The present dining-room and kitchens are perfect. Pilfering is all but impossible, and every patient gets abundance of good, well-cooked food, free from flies or dirt. In the long search for the causes of ill-health, the dietaries were altered and re-cast in every possible way. Extras have been freely given when required, and in 1869 the diet-scale was re-modelled, and a daily issue of ghee and meat sanctioned, because the then Deputy Surgeon-General declared the lunatics to be scorbutic—a conclusion which was not admitted by the Superintendent, and was subsequently shown to be erroneous. The great importance of feeding insane persons liberally has long been recognized, but the experience of Dullunda shows that, since 1856, there has been no connection between the diet and the death-rates, and the annual reports amply show that the latter were chiefly affected by other factors. The most liberal and varied diet ever given was that in force in 1856, and Dr. Cantor's evidence as to its quality has already been quoted. Yet the death-rate was higher than it has ever been since, and the low death-rate of the last three years has been coincident with a diet-scale smaller in quantity and less varied in

character than had ever before been tried. On assuming charge in 1860, Dr. Payne could "at all times find a man with a pile of untouched food by his side. The waste was enormous." He abolished the meat ration, substituted an allowance of oil for the butter, and reduced the vegetable ration by half. The diet-scale thus altered remained in force till 1866, the death-rate varying from 16 per cent. in 1863 to 33 per cent. in 1866. In 1866 meat was substituted for fish twice a week, but the diet otherwise remained the same. In the next seven years the death-rate steadily declined, coincident with various improvements in conservancy and other general arrangements, but mainly in consequence of a change in the class of patients admitted. In 1869 a controversy arose as to the sufficiency of the diet, which is of great interest, not only with regard to the health of the lunatics, but with reference also to the question of the cost of diet in the Calcutta Hospitals. Dr. Saunders declared the diet-scale to be "thoroughly inadequate," and found that "more than a fourth (of the patients) have clear indications of scurvy—not what Dr. Payne alludes to as blueness of the gums, but a swollen suppurating state of the gums with recession from the teeth, the latter having in many cases fallen out." Dr. Payne did not consider this to be due to scurvy, and "did not consider the dietary defective," but on Dr. Saunders' recommendation, a daily ration of four ounces of meat was substituted for the fish ration, the allowance of rice being slightly diminished and an ounce of ghee added. Of this diet Dr. Payne writes that "it is more ample and more complete than in any other institution, and contains everything that can be thought useful." He also remarks—"Several of the lunatics are unable to consume the rations allowed them." These changes added materially to the cost of the diet. The death-rate continued to diminish, but the fall was attributed by Dr. Payne to other causes than the altered diet-scales, although he admitted that "the healthier men had gained in flesh and general appearance." In 1869 Dr. Saunders writes: "It is a significant fact that the simplest sores at Dullunda heal with difficulty." In 1870 Dr. Payne says: "An indolent, unhealthy sore is very rarely seen here." In 1871 Dr. Payne having gone to England on furlough, a series of observations were made by Dr. Bird with a view to deciding the question of the existence of scurvy. Careful notes were taken of the condition of the gums of all patients and new admissions, and it was found that the supposed scorbutic condition of the gums described by Dr. Saunders was not due to scurvy, but to the habitual neglect of their teeth by lunatics. The Surgeon-General, in his remarks on the report, says: "The observations on the condition of the gums in lunatics, which gave rise to the impression that they were suffering from scurvy, are important; . . . it is very doubtful whether the peculiar appearances noticed betoken scurvy at all, and quite certain that scurvy does not develop within the institution." This seems to show that the improved and more expensive diet was ordered under a misapprehension as to its necessity.* The reduced mortality which attended its introduction was followed by a considerable rise in 1874 and 1875; the increase, like the decrease, not being attributable to it. In 1875 the ration of ghee was stopped, yet in 1876 the death-rate was lower than in any previous year save one; while in 1877 and 1878 it has been lower than ever, and is now lower than in most English asylums, in spite of the fact that there is a larger proportion of cases likely to die in the Indian asylums. Since the beginning of this year the meat ration has also been abolished, two ounces of pulse being given in lieu of it, and the present diet-scale is less than that pronounced "thoroughly inadequate" by

Dr. Saunders; yet the patients are surprisingly healthy. The statement in the margin shows the death-rate, the quantity of food supplied in ounces, and the cost of food per patient per diem since 1856. One main cause of the increase in the cost has been a general rise in the price of provisions; but the general high level between 1869 and 1878 was due to the issue of meat and ghee. The marked reduction in 1879 has been brought about by the stopping of the meat ration and the substitution of a cheaper but more nutritious quality of rice. The provisions of all sorts are still fully equal to "the best kind in use by the corresponding classes of persons in the neighbourhood." Every patient has as much as he wants. Extras are freely ordered for the sick, but the great majority of the patients get the ordinary full diet, which is very similar to what they are accustomed to at home. Dr. Payne is convinced that it is in every way sufficient, and the general appearance of the patients seems to prove it to be so. The Committee can testify from personal knowledge that the lunatics at

YEAR.	Death-rate.	Quantity of food.	Cost of food per patient.	
			Rs.	A. P.
1856	34.75	40	1	4
1857	31.34		1	4
1858	.....		1	4
1859	.....		1	4
1860	.....	33½	1	4
1861	.....		1	4
1862	27.00		1	4
1863	16.60		1	7
1864	22.00	31	1	7
1865	27.00		1	7
1866	33.00		2	14
1867	23.00		2	14
1868	17.91	30	1	10
1869	16.40		2	24
1870	12.62		2	44
1871	12.82		2	6
1872	12.42	20	2	9
1873	10.84		2	8
1874	13.38		2	4
1875	16.01		2	5
1876	11.37	20	2	6½
1877	7.04		2	5
1878	7.15		1	9
1879	.....		

* Patients fed by contract.

Dullunda are amply fed with excellent well-cooked food.

* There can be little doubt that Dr. Saunders' impression as to the inadequacy of the ordinary diets had a considerable influence in raising the cost of diet elsewhere. He was Chairman of the Committee which in 1870 raised the rates at the Medical College Hospital from 8 annas 10 pice to 12 annas, in spite of the statement by the Principal that "every patient receives in full all that can conduce to his recovery." It was on his recommendation also that the expenditure on diet in the North Suburban Hospital was more than doubled, to the serious embarrassment of the resources of the hospital, until the old scale was reverted to, to the benefit alike of the patients and the hospital funds. See Appendix I of the Report on the Calcutta Hospitals.

The Lieutenant-Governor entirely accepts the conclusions of the Committee on this point.

8. The expenditure on bazar medicines is small, and the differences unimportant, depending probably on the more or less free use of indigenous drugs by different Superintendents. No statement of the value of English medicines has been furnished to the Committee by the Examiner of Medical Accounts.

To these items of expenditure the Surgeon-General will no doubt now give careful attention.

9. The figures of *contingent* charges show great variations, and prove on examination not to be comparable *inter se*. They are—

		1877.			1878.		
		Cost per patient.			Cost per patient.		
		Rs.	A.	P.	Rs.	A.	P.
Dullunda	...	14	5	11	20	12	7
Dacca	...	2	15	7	3	10	1
Patna	...	6	1	1	8	0	11
Cuttack	...	3	8	5	3	2	1
Berhampore	...	2	4	6	1	12	9
Hazareebagh	...	3	4	11	2	10	3

The Dullunda asylum shows under this head expenditure on account of paying patients. Great differences in the cost of lighting are found to exist, explained in Dullunda by the use of gas for oil, and in other asylums by varieties of practice in the mode of accounting for oil made in the asylums. Again, in Dullunda many subsidiary buildings made out of manufacture profits are repaired from the contingent allowance, while in other asylums all buildings are on the Public Works' books. Moreover, many costly improvements have been introduced at the Presidency that are not asked for elsewhere. The apparently heavy charge at Patna, as compared with other institutions in the interior, is accounted for by charges for ground rent.

10. The figures for the item of *clothing* compare thus—

		1877.			1878.		
		Cost per patient.			Cost per patient.		
		Rs.	A.	P.	Rs.	A.	P.
Dullunda	...	2	15	0	4	0	9
Dacca	...	1	6	8	4	7	1
Patna	...	2	8	11½	2	9	6
Cuttack	...	2	11	8	2	10	7
Berhampore	...	2	10	8	3	5	0
Hazareebagh	...	4	0	8	5	0	10

The Berhampore figures are lower because lunatics drafted to that institution from other asylums took new clothes with them. Local variations in price, and difference in the mode of accounting, explain the other discrepancies.

11. The system of *manufacture* in asylums had its origin in Dullunda, where also it has been carried out in its most complete form. Work has been found to have a decidedly good effect on the patients. The proceeds were up to 1872 at the unfettered disposal of the Superintendents, and enabled them to carry out many improvements that would perhaps have not easily got official sanction. In 1872, Sir G. Campbell directed that all money received should be paid into the treasury, and all money spent be drawn thence and be regularly budgetted for. The accounts thus show now the actual receipts and expenditure on manufacture account during the year, an allowance of 10 per cent. depreciation being allowed for machinery. The Committee point out that, while this account is a correct record of cash transactions, it fails to show the true working of the asylums, inasmuch as it ignores stock in hand not sold, plant and machinery added, and work done for the asylum itself. The Committee have compiled a table to show the actual profits if these items are taken properly to account.

Statement of actual profits from Lunatic labour in the Asylums of Bengal in 1877 and 1878.

	Dullunda.		Dacca.		Patna.	
	1877.	1878.	1877.	1878.	1877.	1878.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Profits as per Surgeon-General's reports ...	6,012 3 6	1,513 11 0	3,568 9 2	3,923 2 11	2,180 9 2	3,218 8 8
Difference of raw materials in store ...	-290 11 16	+618 1 11	+104 13 1	-27 3 7	+40 1 0	-340 15 6*
Total ...	5,716 2 8	2,131 12 11	3,673 6 3	3,896 15 4	2,220 10 2	2,877 8 11
Difference of manufactured goods in store ...	-7 7 3	+688 13 11	-263 0 1	-295 7 6	-332 15 0	.....
Total ...	5,708 0 5	2,820 10 10	3,410 6 2	3,600 7 10	1,887 11 2	.....
Difference of plant and machinery in store ...	+4,923 5 6	+3,437 8 0	-17 0 5	-18 3 6	+138 13 0	+104 7 0
Total net profits ...	8,631 5 11	6,258 2 10	3,393 5 9	3,582 4 4	1,926 8 2	3,001 15 11

	Cutlack.		B-rhainpore.		Hazareebagh.	
	1877.	1878.	1877.	1878.	1877.	1878.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Profits as per Surgeon-General's reports ...	224 0 8	372 7 3	1,583 3 5	1,438 0 4	660 14 2	772 15 0
Difference of raw materials in store ...	+478 10 11	-385 0 6*	+94 3 0	-97 0 0	+41 13 2	+277 10 6
Total ...	703 4 7	-12 15 3	1,681 6 5	1,341 0 4	701 11 4	1,050 9 8
Difference of manufactured goods in store ...	+118 0 4	.....	+5 8 3	+25 0 7	+50 8 4	.....
Total ...	821 4 11	.....	1,686 14 8	1,366 0 11	750 3 8	.....
Difference of plant and machinery ...	+7 0 0	+4 10 3	+102 14 4	-22 14 4	+95 15 0	+65 13 2
Total net profits ...	828 13 5	-8 5 0	1,788 13 0	1,343 2 7	845 3 5	1,116 6 8

(On this they remark as follows :—

They show not only that Dullunda is far in advance of the other asylums in regard to its real profits, but also that its industrial system is far more highly developed than that of the others. This is no doubt in part due to the better market which the metropolis affords for the ready and quick sale of manufactured articles. With a working population only twelve in excess of that of Dacca, its cash receipts for articles sold were in 1878 Rs. 18,926 against Rs. 6,315, while it made over for asylum use goods valued at Rs. 6,882 against Rs. 36. In addition to this, it added during the year Rs. 618 to the value of its store of raw material, Rs. 688 to its stock of manufactured articles, and Rs. 3,437 to its plant and machinery; while Dacca shows a falling off under each of these heads, amounting in the aggregate to Rs. 340. The net result is that the profits at Dullunda are raised from Rs. 1,513 to Rs. 6,258; while those at Dacca fall from Rs. 3,923 to Rs. 3,582. The net earnings per employed patient are thus Rs. 34 at Dullunda and Rs. 20 at Dacca—a very different result from that obtained by a calculation on the official "profits," which gives only Rs. 8 at Dullunda and Rs. 22 at Dacca. The success of the operations at Dullunda is mainly due to the great energy and ability of Mr. Bancroft, the Deputy Superintendent, and the excess of outturn, as compared with that of other asylums, more than covers the whole of his salary. Government does not reap the benefit financially, but the asylum does, and it is in this way that it has gradually perfected its internal arrangements. The ruling principle which should govern labour in asylums is not profit, but the benefit of the insane, and the assimilation of asylum life to that of rational life elsewhere. This principle has been repeatedly recognized by Government. The profits are incidental merely.

12. The Committee allude to a recommendation recently made by them on a reference from this Government, that the lunatics should be given a direct interest in their labor, and be allowed extra indulgences as a reward for good work. The Lieutenant-Governor has already ordered that this plan, which is followed at the Broadmoor Criminal Asylum in England, shall be adopted experimentally.

13. Having explained clearly the difficulties of making any trustworthy comparison between the working of the different asylums in the past, the Committee pass on to offer certain recommendations designed to facilitate such comparison in future.

The recommendation of the Committee, that (1) "*the detailed report of each asylum should be printed as an appendix to the Surgeon-General's report, as was done up to 1874, or if this be thought undesirable, that a copy of each report be furnished to the Superintendent of the other Asylums,*" cannot be adopted in its entirety in view of the stringent orders of the Government of India that subsidiary reports should not be appended to the reports of heads of departments. A copy of the annual report of each asylum will, however, as proposed, be furnished to the Superintendents of the other Asylums.

* Raw material and manufactured articles together.

The following recommendations made by the Committee have the Lieutenant-Governor's approval:—

II.—*That the cost of superintendence, i. e. the pay of the Superintendent and his deputy, or the Overseer and Matron, should be shown separately from establishment proper. This might be done by subdividing the heading "Establishment" in table No. IX, into two heads, viz. "Establishment proper" and "Superintendence."*

III.—*That all charges for stimulants, sweetmeats, tobacco, and hospital comforts be included under the head of "diet," except*

IV.—*That indulgences granted as rewards for work be charged to the manufacture accounts.*

The charges incurred on account of indulgences might, the Lieutenant-Governor observes, be shown in table IX, under the sub-head of "Contingencies of Manufacture."

V.—*That all general charges for repairs and construction, painting, and general maintenance and improvement of asylum buildings be eliminated from the contingent accounts and shown under a separate heading as "Repairs and Maintenance," a statement of any work done by the Public Works Department being obtained from that Department and included under this head. Work done on manufacturing account to be separately entered in that account.*

The Lieutenant-Governor directs that charges for repairs and maintenance of asylum buildings be entered separately as a sub-head of ordinary contingencies in table No. IX. A separate column showing the total charges, excluding such "repairs and maintenance," might be added. Another column should be devoted to the charges on account of work done by the Public Works Department. The Surgeon-General is requested to revise the table in accordance with these directions and to submit a copy for the approval of Government.

VI.—*That a new column be added to statement XI showing the real profit of the asylums.*

The Committee remark that the additional column is required to admit of a comparison being made of the industrial results of the asylums *inter se*. The present column of "profits" should be retained.

14. The Lieutenant-Governor approves the proposal (VII) that *all asylums should adopt the same system of supply,—i. e., that raw materials purchased for diet, clothing, lighting or other purposes, when worked up for use by asylum labour, should be issued without charge, and without the intervention of any intermediary.*

The Committee's proposals (VIII) *that a statement showing the ruling prices of the chief articles of diet should invariably accompany each report, and (IX) also an analysis of the contingent expenditure* are also approved. The Lieutenant-Governor entirely agrees with the Committee that although any general uniformity in cost at the different asylums can, under present conditions, scarcely be expected, yet it is essentially desirable that means should be afforded for an approximate comparison of all important items of expenditure in the several asylums.

15. The Committee conclude their report by reviewing the history and working of the Bhowanipore European Asylum. The establishment is fixed and does not vary with the number of patients. It has been reduced to a minimum already, and the Committee state that there is no superfluous person employed. The cost is Rs. 783 per mensem. On the important matter of diet, the Committee write:—

The average cost of diet per patient given by order in the annual reports is a correct arithmetical mean between the cost of paying patients with their liberally supplied separate table, and that of pauper patients with their simpler and cheaper food. Even as a mean it is useless for comparing the expenditure of one year with another, since the proportion of paying patients to paupers varies in every year, indeed from month to month, and day to day. The total expenditure on diet in different years is therefore not comparable, and as prior to 1877 the books do not discriminate between the two classes of patients, it is impossible to ascertain the relative cost of each class in former years. The total cost varies greatly, but the variations are believed to be explainable by variations in the proportion of first class and second class patients.

There can be little doubt that up to 1862 the quantity of food supplied was excessive, for although there were no diet-scales, that noted in the margin was considered "a bare standard full diet" for the pauper patients, subject to daily alterations and additions, such as "poultry, pastry, wine, beer, coffee, ice, &c." The first class patients had for breakfast "eggs, fish, steaks, chops, cold meat, rice, fruit, preserves, tea, coffee," and for dinner, "soup, joints, or poultry, side-dishes, vegetables, pastry, fruit, preserves, sherry, port, beer, lemonade of lemons or bael, iced when desired," and tea and toast morning and evening. The quantities appear to have been unlimited. The second class "bare standard" scale, prescribes 56 ounces of food exclusive of fruit, condiments, and milk, or nearly double the quantity which one of the latest authorities on food states to be sufficient for Europeans working in a cold climate, where more food is necessary than in India, and far more than most actively employed Europeans consume in India. Considering that the lunatics do no work, Dr. Payne reduced the quantities considerably in 1862 without in any way affecting the health of the patients. They have always been singularly healthy,—a fact repeatedly mentioned in the

Meat	...	...	...	...	1 lb.
Bread	...	...	...	...	1 ..
Vegetables	...	...	...	...	1 ..
Rice	...	...	...	...	4 oz.
Sugar	...	...	...	...	1 ..
Onions	...	...	...	...	1 ..
Butter	...	...	...	...	1 ..
Flour	...	...	...	...	1 ..
Parley	...	...	...	...	1 ..
Tea	...	...	...	...	1 ..
Spices	...	...	...	...	1 ..
Fruit	...	...	...	...	1 ..
Lemonade	...	...	...	...	1 ..
Milk, one measure.	...	...	...	...	1 ..

reports. The death-rate of so small a community is extremely misleading. One or two deaths more or less will make an enormous difference in the rates, as is shown in the margin. A considerable number of these deaths took place shortly after admission, the patients being hopelessly ill when received into the asylum; and the amount of sickness has always been small. The death-rates prior to 1860 cannot be calculated, as the average strength was unknown, but the actual number of deaths vary greatly as in subsequent years. One man who died this year (1879) had been 48 years in the asylum. Of the five deaths last year, one occurred in a man aged about 70; one case was admitted moribund; and another with the fatal illness already developed; none of the five could be attributed to the influence of the asylum. Sickness

Average	Strength.	No. of deaths.	Per cent of deaths.
1856	...	0	.....
1857	...	4	.....
1858	...	8	.....
1859	...	3	.....
1860	50	5	8.13
1861	50	5	8.03
1862	46	5	10.87
1863	36	3	8.33
1864	26	1	3.85
1865	27	2	7.40
1866	23	6	26.08
1867	25	7	28.00
1868	27	3	11.54
1869	27	2	7.41
1870	25	2	8.00
1871	30	3	10.00
1872	34	1	2.93
1873	27	4	14.80
1874	25	3	12.00
1875	26	3	11.54
1876	26	4	15.38
1877	19	0	...
1878	28	5	17.86

seldom arises in the asylum. The dietaries and the death-rates have had no apparent connection. At present the average consumption of food is about 36 ounces per patient daily. It is of excellent quality. The great saving in 1878 has been due to a diminution in the number of first class patients, and of pure Europeans who eat more than Eurasians. The average cost of diets has varied from 7 annas 6 pies in 1863 to 13 annas 6 pies in 1877; but, as already pointed out by Dr. Payne, this is a mere arithmetical mean, and does not correctly represent the expenditure on either class of patients. The first class patients have cost much more, and the pauper patients much less than the average. The variations have depended on the proportions of different classes of patients and of Europeans and Eurasians. Since 1876 there have been four classes of patients, the first three paying Rs. 150, Rs. 80, and Rs. 45 respectively, the fourth paying nothing. Up to 1877 no attempt was made to distribute the cost of dieting the different classes, but this is now done as far as practicable. It is found that first class patients cost about Rs. 32 per mensem, second class Rs. 17, third class from Rs. 10 to Rs. 12, and fourth class from Rs. 8 to Rs. 10; the amount varying with the season of the year. The daily expenditure on fourth class patients varies from about 3 annas 2 pies to 5 annas 2 pies according to season, the average being about 4 annas 1 pie. This, however, does not represent with absolute exactness the true value, since waste is not permitted, and any food remaining unused from the first and second class tables is very properly utilized in feeding the others. This would bring up the true value of a fourth class diet to about 4 annas 6 pies a day. All the patients said they had plenty to eat, and many of them frequently leave a considerable portion of their food. The Committee are satisfied after careful enquiry and examination that the food leaves nothing to be desired either in quality or quantity, and the numbers being small, much greater variety in cooking is possible than in the large hospitals. The Committee think that in the past the cost of diet has been greater than was at all necessary, but this was a direct consequence of the system by which many of the patients were far better fed than they had ever been at home.

16. With regard to the Committee's recommendation that the pay of the Deputy Superintendent of the European Asylum at Bhowanipore should begin at Rs. 250, and rise by annual increments of Rs. 10 per mensem to a maximum of Rs. 400, the Lieutenant-Governor, while acknowledging the good work done by Mr. De Vere, the Deputy Superintendent, regrets his inability, under existing financial circumstances, to recommend any increase to his present pay. The recommendation of the Committee will, however, be kept in view.

17. The Lieutenant-Governor desires that an expression of his thanks be

• J. O'Kinealy, Esq.	...	...	President.
Surgeon-Major J. M. Cones	...	...	Members.
" J. Jones	...	...
" S. C. Mackenzie	...	...
C. Macanlay, Esq.	...	...	Secretary.
Surgeon-Major R. Harvey	...	...

conveyed to the President* and those members of the Committee who took part in the enquiry, for the full and clear report which they have submitted on the working of the

Lunatic Asylums in Bengal, and the practical suggestions which they have made.

ORDER.—Ordered that a copy of this resolution, together with a copy of the report, be forwarded to the Surgeon-General, Bengal, for information, and for communication to the Superintendents of the several lunatic asylums.

Ordered also that a copy of the resolution be forwarded to the Accountant-General for information.

Ordered also that a copy of the resolution, together with a copy of the report, be forwarded to the Inspector-General of Jails for information.

Ordered also that a copy of the resolution be forwarded to each member of the Committee for information, and that it be published in the *Calcutta Gazette*.

By order of the Lieutenant-Governor of Bengal,

A. MACKENZIE,

Secretary to the Government of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 24th January 1880.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.			
Western Districts.			
Burdwan Divn.	1 Burdwan, Jan. 24 '80	Nil	Weather—fair and cool. Rubber crops good everywhere except in Baneeunge, but rain much wanted. General health good.
	2 Bankoora, „ 24 „	0.18	Weather—warm at beginning of week. Moderate rain with hailstones on 23rd cooled air since. To-day (24th) strong west wind prevails. Cold-weather crops looking well. Gathering of early mustard commenced in places. Sugarcane fast ripening and progressing favorably. Public health good. A few cases of small-pox and cholera still in Bishenpore sub-division.
	3 Beerbhoom, „ 24 „	0.30	Weather—hotter than usual till rain fell. Cold-weather crops promise well. Cow-pox still prevalent in several villages. A few cases of cholera in north.
	4 Midnapore, „ 24 „	Nil	Weather—seasonable. State and prospects of crops favorable.
	5 Hooghly, „ 24 „	0.24	Weather—warmer. A thunderstorm on 23rd. Prospects of cold-weather crop continue good. A few cases of small-pox still in parts of district.
Presidency Divn.	Howrah, „ 26 „	0.07	Weather—cooler than last few days. State and prospects of crops favorable.
	Mohesrekha „ „	0.10	
	Central Districts.		
	6 24-Pergunnahs, Jan. 24 '80	0.05	Weather—not seasonable; hot weather set in before its time. Amus harvest over. Boro dhan being transplanted. Winter crops promising. Health fair.
	7 Nuddea, „ 24 „	Nil	Weather—warm in early part of week, latterly cold. Slight rain on night of 23rd. Winter crops good; in some places harvest nearly over. Prices falling. Public health good.
Rajshahy and Cooh Behar Divn.	8 Jessore, „ 24 „	0.66	Weather—seasonable and foggy in mornings. Slight rain last night (23rd); more wanted. Prospects of winter crops favorable. Health generally good.
	9 Moorshedabad, „ 24 „	0.68	Weather—cold. Prospect of crops good. Rain of 23rd will do good to winter crops. Fever in a mitigated form still prevalent in thana Burwa. Cholera in a milder type in Sujungunge and Kaliungunge police stations.
	10 Dinagepore, Jan. 23 '80	0.83	Weather—cool and cloudy. A hailstorm on morning of 20th caused slight damage to crops. Sugarcane being pressed. Maskalai all cut. Mustard in seed. Mangoes in blossom. Small-pox and cholera in some places.
	11 Rajshahye, „ 24 „	0.30	Weather—foggy in mornings. Rain at close of week. Paddy harvesting nearly completed; outturn more than an average. Reaping of Maskalai continues. Common rice 16 seers per rupee.
	12 Rungpore, „ 23 „	1.36	Weather—cold and cloudy. State and prospects of winter crops continue good.
	Gaibanda „ „	0.53	and recent rain has been beneficial. Public health good.
	Bagdogra „ „	0.60	
	Kurigram „ „	1.29	
	13 Bogra, „ 24 „	0.47	Weather—cloudy and cold. Some rain on 20th. Harvesting of amus nearly completed; outturn excellent. Kherachi thriving.
	14 Pubna, „ 24 „	0.24	Weather—cool. Foggy in morning, with a little rain on 23rd. Spring crops promise well. Public health good.
Cooch Behar, Mathabhangs	15 Darjeeling, „ 24 „	0.67	Haimanti dhan almost all harvested; outturn will be somewhat less than last year. Prospects of mustard, wheat, barley, and other minor crops good.
	16 Jalpigoree, „ 24 „	0.5	Weather which was misty has cleared. Reaping of dhan almost completed; good harvest obtained. Wheat, barley, mustard, tobacco, and potatoes in good condition. In Patgram jute and sugarcane backward.
	Cooch Behar, „ 23 „	0.31	Some rain on 20th. Mornings foggy; weather cold as usual. Rain has improved prospects of tobacco, wheat, pulses, and other crops. People can now plough fields for early rice. Public health generally good. Small-pox cases here and there.
	Mathabhangs „ „	0.13	

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.—(Continued.)			
<i>Eastern Districts.</i>			
Dacca Divn.	17 Dacca, Jan. 24 '80	Nil	Weather—foggy and cool. Winter crops promising well. Public health good.
	18 Furraddpore, „ 24 „ Goalundo „ „	0.37 0.22	Weather—cloudy since 23rd and rain at night. Prospects of cold-weather crops continue good. General health good.
	19 Backergunge, „ 22 „	Nil	South wind; weather rather warm for the time of year. <i>Amun</i> harvest now over; yield exceptionally good. Prices inclined to rise owing to exportation.
	20 Mymensingh, „ 23 „	0.06	Weather—cloudy, damp, and cold. Slight rain to-day (23rd). State and prospects of crops favorable.
	21 Tipperah, „ 23 „	Nil	Heavy fogs in mornings. Temperature risen during week. <i>Amun</i> harvest good. Rice now freely exported. Standing crops thriving.
Chittagong Divn.	22 Chittagong, Jan. 27 '80	Nil	Cold-weather crops progressing well. Cholera in cyclone tract abating. Cattle disease continues in some parts of district.
	23 Noakholly, „ 22 „	Nil	Weather—foggy and warm. Cold-weather crops doing well. <i>Amun</i> harvest good. Cases of small-pox.
	24 Chittagong Hill Tracts, „ 20 „	Nil	Weather—very cold. Foggy mornings. Mustard being gathered; average outturn anticipated. Tobacco, chillies, and other cold-weather crops doing well. Public health much improved.
	Hill Tipperah, „ 21 „	Nil	Weather—seasonable. Misty in morning. Prospects of winter crops (mustard and pulses) fair. <i>Boro</i> paddy being sown.
BEHAR.			
Patna Divn.	25 Patna, Jan. 24 '80	0.09	Weather—seasonable. State and prospects of crops favorable, but more rain would have done good.
	26 Gya, „ 24 „	0.01	Weather—fair and windy. Maximum reading in shade 86°6'. In Jehanabad sub-division a 16-anna crop expected. <i>Rubbee</i> promising, but a good shower of rain wanted. Public health generally good. Health of plough-cattle good.
	27 Shahabad, „ 24 „	0.24	Weather—generally cloudy and cold. Slight rain on 23rd will greatly benefit <i>rubbee</i> crops. Fair weather and westerly wind now needed to save standing crops from injury. Isolated cases of small-pox.
	28 Durbhunga, „ 24 „	0.36	Weather—occasionally cloudy. Very slight rain with hailstones on 23rd. Weather very cold with westerly wind. Prospects of <i>rubbee</i> crops continue favorable. <i>Rahur</i> in flower. A slight rise in prices. Public health good.
	29 Mozufferpore, „ 24 „	Nil	Weather—seasonable. <i>Rubbee</i> prospects continue good. Slight rain in Seeta-murhee sub-division beneficial to standing crops.
	30 Saran, „ 24 „ Sewan „ „	0.29 Slight rain.	Weather—cold and cloudy. More or less rain in almost all parts of district. East wind prevailing. Cold-weather crops thriving well. Late rain benefited crops; but more wanted. Prices stationary. Public health good.
Bahar Division.	31 Champaran, „ 24 „	0.60	Weather—seasonable. State and prospects of crops very good.
	32 Monghyr, Jan. 24 '80	0.15	Slight rain. Weather cold and cloudy with heavy mists. Prospects of crops very good. Everywhere prices falling.
	33 Bhagulpore, „ 24 „	Nil	Weather—getting warm. Foggy on two or three mornings. Paddy already harvested. <i>Rubbee</i> crops promising, but want a little rain. General health good.
	34 Purneah, „ 24 „ Arrareah „ „	0.48 0.55	Weather—seasonable. Rain has benefited crops, and a good harvest expected.
	35 Malda, „ 24 „	0.18	Weather—fair and cool, with foggy mornings. Wheat and other crops thriving. Prospects excellent throughout district. General health good.
	36 Bonthal Pergah, „ „	.....	Return not received.

No.	District, and date of return	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
ORISSA.			
ORISSA DIV.	37 Cuttack, Jan. 21 '80	Nil	Weather—beginning to be hot. Harvesting of rice, <i>moong</i> , and mustard still continues. Fever and small-pox decreasing. Common rice 18½ to 21 seers per rupee.
	38 Pooree, „ 22 „	Nil	Weather—hot for the season. <i>Dalua</i> rice progressing. Other crops doing well. <i>Mango</i> blossoms sprouting. Prices stationary.
	39 Balasore, „ 23 „	Nil	Mornings foggy. Days warm. Nights not so cold as they should be. Heavy dews at night. South wind blowing. Harvest of rice finished. <i>Rubbee</i> crops in good condition; cutting commenced. Few fatal cases of small-pox and cholera reported.
CHOTA NAGPORE.			
South-West Frontier Agency.			
40	Hazareebagh, Jan. 23 '80	Nil	Weather—cloudy and windy; symptoms of rain. No rain in interior. <i>Rubbee</i> crops good everywhere except at Ranghur. Public health good. Cattle disease in Pachumba.
41	Lohardugga, „ 24 „	0.12	Cloudy weather during early part of week ended in a slight storm on Thursday night (22nd), but accompanied by only a slight shower. Since then weather has become cooler. Rain badly wanted for <i>rubbee</i> crops and ploughing. Small-pox still prevalent.
42	Singbhoom, „ 23 „	Nil	Weather—very warm for the time of year. Rain wanted for cold-weather crops, which are, however, doing well up till now.
43	Manbhoom, „ 24 „	0.40	Wind and heavy rain on 23rd; since which weather has turned cooler. Early part of week dry and less cold. Condition of cold-weather crops (sugarcane, wheat, pulses, and oil-seeds) good. One or two cases of cholera and cattle disease in interior.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,
The 27th January 1880.

A. MACKENZIE,
Secy. to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 18th to 24th January 1880.

Month.	Date	Maximum in sun.	Mean pressure barometer at 32° Fah.	TEMPERATURE.				HYGROMETRY.				Prevailing direction.	Miles recorded.	Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.				
1880.		☉	Inches.	☉	☉	☉	☉	☉	Inches.	☉	%.			Inches.	
Jan.	18th	136.2	29.975	70.0	80.5	15.1	65.4	66.9	0.610	64.0	82	Till 2 A.M. S S W, till noon S, till midnight N N E through S W, W and N W	69	Nil	Morning cloudy, rest clear, o, g, & w.
"	19th	136.0	30.018	67.0	79.1	21.2	57.9	64.2	.591	62.2	83	Till 11 A.M. N N E, till 1-15 P.M. E through N E, till 7-30 P.M. W S W through S E, S and S W, till midnight S through S W.	39	...	Day cloudy, night clear, o, f & w.
"	20th	137.7	29.992	71.2	82.3	17.0	64.4	67.0	.641	66.0	85	Till 9 A.M. S, till 8-30 P.M. chiefly S S W, till midnight S by E.	129	...	Day cloudy, night clear, f & w.
"	21st	134.4	.984	71.2	82.3	17.3	65.0	64.4	.510	59.9	71	Till 4 A.M. S by E, till 2-30 P.M. N N W through S W, W and N W, till midnight N W.	134	...	Day cloudy, night clear, & w.
"	22nd	135.3	30.024	67.2	79.6	21.7	57.3	60.3	.465	63.0	63	Till 2-30 A.M. N W, till 9 A.M. W N W, till 2 P.M. N, till 3 P.M. N by N, through N W, till 2 P.M. N by W, till midnight E through N E.	68	...	Morning cloudy, rest clear, & w.
"	23rd	137.0	29.976	69.3	81.6	22.3	59.3	65.5	.587	63.5	82	Till 9.15 A.M. S S E through S E, till 12-30 P.M. N N E through S, W and N, till 3 P.M. S by W through N and W, till midnight W S W through S W.	115	...	Cloudy, o, g, d, & w.
"	24th	129.0	30.040	62.2	76.1	13.8	61.3	55.2	.344	48.6	61	Till 3 A.M. W S W, till 2 P.M. N W N through W, and N W, till midnight N W by W.	172	0.05	Morning cloudy, rest clear, o, g, & w.

* Fall at 8-35 P.M. of 23rd.

The mean pressure of the seven days	...	...	Inches.
The average pressure of the corresponding period for 24 years S. G. Office	...	...	30.001
			30.007
			☉
The mean temperature of the seven days	...	...	68.5
The average temperature of the corresponding period for 24 years S. G. Office	...	...	68.3
The extreme variation of temperature during the seven days	...	...	25.0
The maximum temperature during the seven days	...	...	82.3
			%.
The mean relative humidity during the seven days	...	...	75
The average relative humidity of the corresponding period for 24 years S. G. Office	...	...	70
			Inches.
The total fall of rain from 18th to 24th January 1880	...	...	0.05
The average fall of the corresponding period for 24 years S. G. Office	...	...	0.03
The total fall from 1st January to 24th...	...	...	0.05
The average fall of the corresponding period for 24 years S. G. Office	...	...	0.17

The mean pressure, temperature, &c., are deduced from the photographic traces of the barograph and thermograph. The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the Newman's standard No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling, w dew, f fog.

METEOROLOGICAL OFFICE, INDIA,

The 26th January 1880.

HENRY F. BLANFORD,

Meteorological Reporter to the Government of India.

GOVERNMENT OF BENGAL.
PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR 1879-80.

Areas leased for Irrigation up to end of December 1879.

CIRCLE.	DISTRICT.	CANAL.	SUPPLY OF WATER IN THE CANAL.				KURUREP.				RUBBER.				SUGARCANE.				GRAND TOTAL.				RAINFALL.				
			Estimated full discharge in cubic feet per second.	Average discharge in cubic feet per month.	Estimated discharge utilized.	Leased in December 1879.	Leased up to end of December 1879.	Total, inclusive of unexpired leases of previous years.	Leased in December 1879.	Leased up to end of December 1879.	Total, inclusive of unexpired leases of previous years.	Leased in December 1879.	Leased up to end of December 1879.	Annual leases.	Three-year leases.	Annual leases.	Three-year leases.	Leased up to end of December 1879.	Leased up to end of December 1879.	Annual leases.	Three-year leases.	Total.	Grand total of the corresponding period of previous year.	Inches during the month.	Inches during the previous year.	Average of ten years.	
Orissa	Cuttack.	{ Kendrapam Paschimmedini High Level Sec. Tatalimala Wardheine Gouri	1,250	675	1,000	675	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	
		Total of the month																									
		Total of the corresponding month of previous year																									
South-Western	Midnapore	{ Midnapore	575	147			154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	
		Hooghly	200	20			154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154		
		Panchkoora																									
		Total of the month																									
		Total of the corresponding month of previous year																									
Sone	{ Shahabad Patna and Gya	{ Main Western Buxar Eastern main Patna	4,342	774			154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	
		Total of the month																									
		Total of the corresponding month of previous year																									
		Grand total of the month																									
		Grand total of the corresponding month of previous year																									

The 27th January 1880.

D. B. HORN,
Asst. Secy. to the Govt. of Bengal,
P. W. Dept., Irrigation Branch.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 17th January 1880 on 1,507½ miles open.

	COACHING TRAFFIC.						MERCHANDISE AND MINERAL TRAFFIC.						TOTAL TRAFFIC RECEIPTS	TRAIN MILES RUN				
	No. of passengers.	Coaching receipts						Weight carried	Receipts.						Coach- ing.	Merchan- dise.	Total.	
		Rs.	A.	P.	£	s.	d.		Mds.	Rs.	A.	P.	£	s.				d.
Total traffic for the period	154,866	2,61,157	15	0	23,022	16	2	13,97,670	20	0,05,872	5	0	55,538	5	11	857,050	4	0
per mile of railway	.....	166	10	1	15	5	0	.....	.....	401	15	7	36	16	11	558	9	8
for previous 10 days of half-year	109,603	3,43,651	15	0	31,501	8	7	22,11,341	0	0,27,630	13	0	65,623	7	0	12,71,245	12	0
Total for 3 weeks	354,510	5,04,809	14	0	54,524	4	0	30,00,020	20	1,00,000	2	0	140,671	13	0	5,21,26,910	6	0
COMPARISON.																		
Total for corresponding week of previous year	157,247	2,40,885	4	5	22,091	2	11	14,70,956	0	6,27,546	11	0	57,525	2	4	848,132	0	2
per mile of railway, corresponding week of previous year	.....	159	13	1	14	13	0	.....	.....	416	5	8	38	3	4	576	3	0
Total to corresponding date of previous year	356,448	5,39,180	4	8	49,425	15	8	39,05,000	80	16,32,306	6	10	149,719	18	0	21,72,497	11	0
																187,223	312,130	446,353

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 17th January 1880 on 171½ miles open.

	COACHING TRAFFIC.						MERCHANDISE AND MINERAL TRAFFIC.						Total receipts.		
	Number of passengers.	Coaching receipts.				Weight carried.	Receipts.								
		Rs.	A.	P.	£		s.	d.	Mds.	Rs.	A.	P.	£	s.	d.
Total traffic for the week	38,497	27,475	0	0	2,518	10	1	2,207	18	38,000	0	0	3,547	8	2
per mile of railway	224	160	15	0	14	13	0	12	10	224	0	0	20	13	1
for previous 2 weeks of half-year	75,117	4,855	0	0	4,204	5	10	3,800	0	50,000	0	0	4,980	18	0
Total for 3 weeks	113,614	7,330	0	0	6,722	15	11	6,007	18	88,000	0	0	8,527	4	2
COMPARISONS.															
Total for corresponding week of previous year	39,237	30,589	15	0	2,804	1	8	1,800	0	38,329	2	0	3,954	18	0
per mile of railway, corresponding week of previous year	227	172	11	1	17	13	8	11	44	227	14	10	23	4	11
Total to corresponding date of previous year	93,074	71,793	9	0	6,581	1	7	5,600	416	70,000	5	6	6,970	17	5

BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

No. 49.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING				TOTAL RECEIPTS FROM 1ST JANUARY				Total increase in 1879.	Total decrease in 1879.
			7th Dec. 1878.		6th Dec. 1879.		To 7th Dec. 1878.		To 6th Dec. 1879.			
			Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
15th December 1879	Northern Bengal	23	21,348 0 0	37,772 0 0	8,31,597 0 0	1,17,524 0 0	3,72,674 0 0	...				
15th ditto	Tirhoot	52	10,030 0 0	9,000 0 0	4,05,080 0 0	1,17,524 0 0	6,000 0 0	...				
1st January 1880	Calcutta and South-Eastern	28	2,200 0 0	2,200 0 0	1,17,524 0 0	1,17,524 0 0	5,142 0 0	...				
15th December 1879	Nalhati	27	1,627 0 0	1,700 0 0	84,200 0 0	8,200 0 0	1,000 0 0	...				
15th ditto	Patna and Gya	57	...	...	...	...	2,01,039 0 0	...
	Total	424	3,805 0 0	60,432 0 0	14,42,013 0 0	20,28,071 0 0	5,80,331 0 0	.....			

BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

No. 50.

Latest return received	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING				TOTAL RECEIPTS FROM 1ST JANUARY				Total increase in 1879.	Total decrease in 1879.
			14th December 1878.		13th December 1879.		To 14th Decem-ber 1878.		To 13th Decem-ber 1879.			
			Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
15th December 1879	Northern Bengal	230	20,024 0 0	34,132 0 0	8,60,221 0 0	12,41,498 0 0	3,80,787 0 0	.....			
15th ditto	Tirhoot	52	10,016 0 0	10,236 0 0	4,21,001 0 0	4,20,15 0 0	114 0 0	.....			
1st January 1880	Calcutta and South-Eastern	28	2,450 0 0	1,974 0 0	1,10,000 0 0	1,20,412 0 0	4,000 0 0	.....			
15th December 1879	Nalhati	27	1,701 0 0	1,832 0 0	80,000 0 0	87,118 0 0	1,271 0 0	.....			
15th ditto	Patna and Gya	57	.....	8,341 0 0	.....	2,00,000 0 0	2,00,000 0 0	.....			
Total		424	40,997 0 0	58,252 0 0	14,88,442 0 0	20,85,391 0 0	5,96,702 0 0	.....			



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, FEBRUARY 4, 1880.

OFFICIAL PAPERS.

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Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 31st January 1880.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.			
<i>Western Districts.</i>			
1	Bardwan, Jan. 31 '80	Nil	Weather—fair and cool. Rubber crops generally good, except in Bardwan. No rain this cold weather, and ploughing will be difficult.
2	Bankoora, „ 31 „	Nil	Weather—warmer than usual till rain fell. Prospects of minor spring crops promising; average outturn expected. Recent rain beneficial in parts. General health good.
3	Beerbhoom, „ 31 „	Nil	Weather—seasonable. Cold-weather crops in good condition.
4	Midnapore, „ 31 „	Nil	Weather—seasonable. State and prospects of crops favorable.
5	Hooghly, „ 31 „	Nil	Wind from south. Winter crops promising well. General health good, but cases of small-pox still in Serampore sub-division.
	Howrah, „ 31 „	Nil	Weather—seasonable. State and prospects of crops favorable. A good deal of small-pox in town.

No	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL —(Continued.)			
Central Districts.			
PRESIDENCY DIV.	6 24-Pergunnahs, Jan. 31 '80	Nil	Slight cold. Hot weather fast setting in. Pulses and peas being gathered. Sporadic cholera in Bussirhat.
	7 Nuddea, .. 31 ..	Nil	Weather—morning and evening cold, warm during daytime, clear and sunny. Prospects of winter crops fair.
	Chooadanga .. 0.08		
	Bongong .. 0.06		
	8 Jessore, .. 31 ..	Nil	Weather—getting hot for time of year. Rain done good where fallen. Prospects of winter crops continue good. Aman harvest practically ended. Health good.
	Jhenida .. 0.17		
	Magura .. 1.04		
	Narail .. 1.40		
	Bagirhat .. 0.22		
	9 Moorshedabad, .. 31 ..	Nil	Weather—seasonable. Prospects of crops good. Fever in a mitigated form still in Burwa and Dowlatabad police stations. Cholera not yet disappeared from Kuliangunge police station.
	10 Dinagore, Jan 30 '80	Nil	Weather—seasonable. Winter rice all cut; outturn over fourteen annas. Mustard being reaped. Other standing crops doing well. Small-pox and cholera in places.
	11 Rajshahye, .. 31 ..	Nil	Weather—cool and fair. Paddy harvesting completed; outturn more than an average. Rubber crops promising. Common rice 16 seers per rupee.
	12 Rungpore, .. 30 ..	0.10	Weather—seasonable. State and prospects of winter crops good. Public health good.
	Kurigram .. 0.29		
	13 Bogra, .. 31 ..	Nil	Weather—seasonable. State and prospects of crops very good. A few cases of cholera in Fauchibibi and Dhunat.
	14 Pubna, .. 31 ..	Nil	Weather—clear and getting warmer. Prospects of spring crops good, and public health good. Cholera almost ceased.
15 Darjeeling, .. 31 ..	Nil	Weather—clear sunshine during day, but cold in morning and evening. <i>Haimanti dhan</i> harvested. Mustard ripening. Condition of wheat and barley good. Land being prepared for <i>khadoi</i> crops.	
16 Julpigoree, .. 31 ..	Nil	Bright sunny weather, perceptibly warmer. Head-quarter crop report not received. In Fallacotta two annas of cotton and two annas of mustard gathered.	
COOCH BEHAR DIV.	Cooch Behar, .. 30 ..	Nil	Weather—clear and rather warm. Prospects of wheat, pulses, and tobacco continue good. Fields being ploughed for early rice. Rice Rs. 2 a maund. Small-pox raging in some talooks.
	Dinhatta .. 0.74		
	Mathabhanga .. 0.03		
	Meekligunge .. 0.23		
Eastern Districts.			
DACCA DIV.	17 Dacca, Jan. 31 '80	0.9	Weather—seasonable. State and prospects of crops good.
	Manickgunge (for week ending 29th Jan.)	0.22	
	Moonshingunge (for week ending 28th Jan.)	0.52	
	18 Furreredpore, .. 31 ..	Nil	Weather—seasonable. State and prospects of crops good.
	19 Backergunge, .. 29 ..	0.36	Slight rain general over district. Weather cooler since rain. Prospects excellent.
	20 Mymensingh, .. 30 ..	0.81	Weather—clear and favorable. State and prospects of crops very favorable.
	21 Tipperah, .. 30 ..	0.30	Rain early in week. Weather since warm. Mustard and sugarcane being gathered. Boro rice and other spring crops doing well.
	Brahmunberiah .. 0.20		
	Chandpor .. 0.50		
	22 Chittagong, Feb. 3 '80	Nil	Weather—fair. State of cold-weather crops good. Cholera disappearing in south. Cattle disease still prevails in some parts of Cox's Bazar sub-division.
CHITTAGONG DIV.	23 Noakholly, Jan. 29 ..	0.15	Weather—shower on 24th; otherwise fair. Mornings cool. Rubber crops doing well.
	24 Chittagong Hill Tracts, ..	.....	Report not received.
	Hill Tipperah, .. 28 ..	0.25	Weather—reasonably cold. Prospects of winter crops (pulses, chillies,) &c., fair. Public health good.

No.	District, and date of return.	Rainfall at Sadler Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAL.			
PATNA DIV.	26 Patna, Jan. 31 '80	Nil	Weather—seasonable. Rain wanted for <i>rubber</i> crops.
	26 Gya, „ 31 „	Nil	Weather—fair and windy. Maximum reading in shade 79°8'. In Nowada sub-division <i>dhan</i> almost cut; prospects of <i>rubber</i> crops good. In Jehanabad sub-division <i>rubber</i> in good condition, but would be benefitted by a shower of rain. Public health good.
	27 Shahabad, „ 31 „	Nil	Weather—cold and cloudy most part of week. Prospects of <i>rubber</i> excellent. Small-pox still continues. Prices stationary.
	28 Darbhanga, „ 31 „	Nil	Weather—seasonable. <i>Rubber</i> crops continue to progress favorably. Mustard in some places being reaped. Prices stationary. Public health good.
	29 Mozufferpore, Hajepore, Laungoo „ 31 „	Nil 0.1 0.4	Weather—seasonable. <i>Rubber</i> crops in excellent condition. Mango trees beginning to flower. Public health good.
	30 Sarun, „ 31 „	Nil	Weather—cold and bracing; west wind prevailing. Cold-weather crops doing well. Prices stationary. Public health good.
BHAGPUR DIV.	31 Chhota Nagpur, „ 31 „	Nil	Weather—fine, with east and west wind. In north of district rain would do good, especially to poppy. All prospects good. Health good, except in a few villages where small-pox prevails.
	32 Monghyr, Begusarai Jan 31 '80	Nil 0.11	Weather—cloudy and warm. Prospects of crops excellent, but rain would do no harm. Health good.
	33 Bhagpur, „ 31 „	Nil	Weather—clear and seasonably cold; latterly getting warm. Prospects of <i>rubber</i> crops good. General health good.
	34 Purneah, „ 31 „	Nil	Weather—seasonable. Prospects of crops continue good.
	35 Moudab, „ 31 „	Nil	Weather—fine, though a little too warm for the time of year. Cold-weather crops thriving. Price of coarse rice gone down a little. Exportation slack. Public health good.
	36 Sonthal Perga, „ 31 „	Nil	Weather—cold and fine. State and prospects of crops good.
ORISSA.			
ORISSA DIV.	37 Cuttack, Jan. 31 '80	Nil	Weather—seasonable. Rice harvest completed. <i>Dalua</i> crop progressing well. Small-pox still reported. Common rice 18½ to 21 seers per rupee.
	38 Pooree, „ 29 „	Nil	Weather—seasonable. <i>Sarad</i> still being reaped. State of <i>dalua</i> crop good. Sugarcane still being pressed. Cold-weather crops continue well. State of public health not good; fever still prevails. A few cases of small-pox both in Sadler and Khoorda sub-divisions. Common rice 19 to 26 seers per rupee.
	39 Balasore, „ 30 „	Nil	Weather—seasonable, with cold nights and north wind. Good rain in north of district. Threshing and storing of paddy progresses. Harvesting of early <i>rubber</i> crops continues. Other crops ripening. Scattered cases of small-pox and cholera; otherwise public health fair.
CHOTA NAGPORE.			
<i>South-West Frontier Agency.</i>			
40	Hazareebagh, Jan. 30 '80	0.10	Weather—cool and seasonable. Showers at Sumariah, Ramghur, Koderma, and Gawan. <i>Rubber</i> crops promising; more rain would do good. Small-pox at Chowparan; health otherwise good.
41	Lohardugga, „ 31 „	Nil	Weather—bright and cold. Rain much wanted for <i>rubber</i> crops and for ploughing. Small-pox still prevalent.
42	Singbhoom, „ 30 „	Nil	Weather—cooler during week. Cold-weather crops in good condition. Health of district good.
43	Manbhoom, „ 31 „	Nil	Weather—fine and cold. <i>Rubber</i> harvest progressing, and crops turning out fair. Public health generally good.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,
The 3rd February 1880.A. MACKENZIE,
Secy. to the Govt. of Bengal.

The following Statement shows the Quantities of the principal Staples of Traffic imported into Calcutta from the ... during the month of November 1879.

IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS.						FIBROUS PRODUCTS.		OILSEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	Refined.	
	RICE AND PADDY.			Wheat	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny bags.	Linsced.					Mustard seed.
	Rice.	Paddy.	Total (in rice).												
BENGAL.															
Burdwan	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Burdwan	25,000	11,200	36,200		380	1,000	59,161	1,201	40,000		608	445		37	37
Beerbhoom	78,181		78,181		172		78,353							8	
Midnapore	4,100	1,100	5,200				5,200							573	
Hooghly	38,200	1,100	39,300	4,677	3,817	415	49,795	1,617	373,200	20,800	6,551	1,100	112	5,612	
24 Pargunnahs	71,341	2,000	73,341	42	8		81,389	88,340	203,710	455	158		380	4,435	
Nuddia	1,777		1,777	4,580	16,445	271	22,703	29,881	1,025	4,301		189	540	2,571	
Jessore	4,475		4,475		225		4,700	11,988	2,387	100				50	
Moorsheadabad	4,475		4,475	3,221	2,808	400	11,988	8,715	303,800	1,830	1,022			64	
Dinapore	2,700		2,700				2,700								
Rajshahye				881	4,892		5,773								
Kansapore								32,411	21,975			10	8		
Borra	1,910		1,910				1,910	150							
Pubna	550		550				550	3,97,378	20,400						
Julporee					150	7	4,363	8,35,880	775			8,257			
Dacca	1,777		1,777	458	706		2,140	2,70,702	8,5	500					
Furteedpore	1,20,800		1,20,800		170		1,21,145								
Backergunge								51,520							
Mymensingh															
Tippurah	300		300				300								
Chittagong	10,000		10,000				10,000					910			
Noakholy	14,000	400	14,400				14,400								
Total of Bengal	4,57,191	81,000	5,38,191	14,860	29,827	3,532	5,81,200	11,11,350	3,158,900	27,800	9,030	9,037	1,715	1,130	12,900
BEHAR.															
Patna	342		342	42,051	50,803	4,842	1,03,591			4,886	9,341		500		1,500
Shahabad				13,039	1,500		14,539			1,744					
Muzafferpore						40	2,517			6,341	6,103				
Durbhanga										6,900	6,900				278
Saran										10,500	3,210				
Monohyr	21		21	2,000	2,000		4,021			10,100	3,200				
Bhagalpore	2,000		2,000	2,000	2,000		4,000			10,100	3,200				
Purneah	300		300	500	500		1,300		20,000	1,000	5,500	1,000			
Malda	2,100		2,100	8,000	8,000	60	11,160	13,000							
South Pargunnahs	507		507	2,500	2,500	1,057	6,564			791				10	
Total of Behar	5,061		5,061	1,49,016	90,919	8,903	2,59,895	13,500	20,000	1,15,217	29,491	1,004	500	10	1,847
ORISSA.															
Cuttack	813	1,620	2,433		645		3,078	100							
Salsore	53	22,376	22,429		201		22,630	517							
Total of Orissa	866	23,996	24,862		846		23,608	717							
CHOTA NAGPORE.															
Bazaribagh	500		500				500					125			
Manbhoom	1,410		1,410		42		1,452								
Total of Chota Nagpore	2,154		2,154		42		1,452					125			
Grand total of supplies from the Provinces under the Lieutenant-Governor of Bengal.															
	4,65,875	1,00,050	5,65,925	1,02,876	1,27,591	12,919	8,30,008	14,45,920	1,170,375	1,42,507	38,533	10,950	2,215	1,162	14,761
OTHER PROVINCES.															
Assam	250		250		30		280	5,500			140	48,114			
North-Western Provinces	365		365	1,45,078	6,280	8,800	1,62,040			13,115	47,410	243	18,400		2,300
Punjab	5		5	25,000	15,010		40,015				1,001	1,004			
Central Provinces						11	11						371		
Rajputana States						3	3					1	3,000		1,500
Montbay					60		60		150				3,000		450
Madras	25		25		51		76		2,000						
British Burmah					51	15	7,090		11,800			400	300	254	67
Other places	322		322	5,075	2,307										
Grand total of 1879	4,66,437	1,00,050	5,66,487	3,44,478	1,52,834	21,127	10,51,020	14,51,777	1,194,024	1,55,712	87,100	61,810	20,000	1,000	10,100
Imports in Nov. 1878	9,24,187	98,604	9,32,791	2,02,087	1,17,835	20,710	13,27,048	15,25,081	1,701,367	2,07,833	80,090	63,075	55,537	1,140	13,000

* One maund of paddy is equivalent to 25 seers of rice.

† Exclusive of bags obtained by local manufacture.

The Sea-borne Trade of Calcutta in these Staples during the month of November 1879 was as follows:—

EXPORTED FROM CALCUTTA—	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
To Indian Ports, viz.—															
Bombay	1,13,176	60	1,13,236	677	0,004		1,19,320	1,290	625,214			24			4,183
Other ports in Bombay				6,007	32,844		29,211		54,850						
Madras					3,608	4	18,308		21,700			2		401	
Other ports in Madras	14,916		14,916	254	2,448		26,618		114,509					2	1,000
British Burmah	423		423	6,071	2,448	10	5,502	231	722,000		41	17	0	8	100
Other Indian ports				9	02	4	93		308,780			1		40	617
Pondicherry				408	160		618		15,000			1			
Total of interportal trade	1,28,520	60	1,28,580	13,944	44,892	27	1,97,416	1,527	2,008,444		41	45	0	439	6,901
To Foreign Ports—															
United Kingdom	30,141		30,141	2,44,833	3,210		2,47,194	9,03,400	165,200	1,47,233	10,941	67,686	2,410	924	
Other foreign ports	2,02,803	8	2,02,811	19,455	27,546	3,002	3,08,131	1,78,014	4,307,530	83,348	34	202	9,232	358	70
Total of foreign trade	3,01,984	8	3,01,992	2,64,288	31,006	3,002	5,99,327	11,37,194	4,412,530	2,32,481	11,016	67,888	11,722	689	70
Grand total of 1879	4,30,404	77	4,30,481	2,73,265	75,907	4,010	7,89,743	11,38,391	6,504,974	2,32,481	11,050	67,903	11,722	1,030	6,977
Exports in Nov. 1878	10,24,515	1,989	10,26,504	2,38,283	1,10,985	15,021	13,00,440	19,35,655	4,307,382	3,83,680	1,40,383	92,740	55,490	1,484	13,419

The following Statement shows the several Routes followed by the Trade in the principal Staples of Traffic imported into Calcutta during the month of November 1879.

IMPORTS INTO CALCUTTA.

Specification of routes.	FOOD-GRAINS.					FIBROUS PRODUCTS		OILSEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.	
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Jute, raw.	Gunny bags.	Linseed.	Mustard seed.				Refined.	Unrefined.
country boats	Mds. 2,00,764	Mds. 87,604	Mds. 1,17,083	Mds. 72,702	Mds. 13,500	Mts. 6,86,461	No. 923,530	Mds. 1,02,381	Mts. 32,338	Mds. 6,506	Mds. 591	Mds. 11,672	Mds. 43,047	
river steamers				88		1,85,476			190	62,159	8	9		
East Indian	1,80,101		2,26,800	71,455	7,565			40,441	54,664	17,154	117	1,326	3,995	
Eastern Bengal	6,057		748	7,355	38	4,90,764	237,875	2,800		13,228		340	2,430	
road	55,579	10,950	41	8		81,240	12,110	58	8		201	104	3,479	2,610
sea	10,315	8,490		920	15	707	14,459			1,354	6,610	235	2,024	3
Grand total of Imports in November	1879... 4,06,837	1,06,950	3,44,378	1,02,334	21,127	14,51,177	1,104,025	1,55,712	87,186	61,310	29,488	1,028	19,140	81,989
	1878... 9,24,187	98,594	2,02,087	1,17,815	20,710	15,25,084	1,701,357	2,07,333	55,030	63,975	58,537	1,145	13,029	83,825

The following Statement shows the Quantities, Values, and Numbers of the principal Staples of Traffic exported inland from Calcutta during the month of November 1879.

EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods (European).	Cotton twist (European).	Salt.	Gunny-bags.	Whither exported.	Cotton piece-goods (European).	Cotton twist (European).	Salt.	Gunny-bags.
BENGAL.					CHOTA NAGPORE.				
Barhoo	Rs. 3,24,466	Mds. 1,402	Mds. 34,167	No. 31,025	Hazariabagh	Rs. 94,800	Mds. 3	Mds. 1,267	No. 8,115
Barhoo	1,48,960	632	12,172	43,570	Manbhoom	1,08,640	149	2,295	8,790
Barhoo	16,500	612	1,705	6,573					
Barhoo	76,848	590	4,205	72,000	Total of Chota Nagpore	2,03,440	192	3,553	6,905
Barhoo	2,03,239	811	11,840	200,291					
Barhoo	7,69,585	2,047	12,054	4,004	Grand total of supplies into the provinces under the Lieutenant-Governor of Bengal.	56,00,940	16,211	4,78,790	1,035,923
Barhoo	29,664	454	17,504	7,559					
Barhoo	1,41,440	39	9,018	14,443	OTHER PROVINCES.				
Barhoo	2,22,000	88	3,710	4,000	Assam	6,20,280	817	30,200	.....
Barhoo	1,37,560	28	2,520	359	North-Western Provinces	37,39,840	2,241	5,796	237,910
Barhoo	6,41,770	15	5,200	.....	Punjab	23,04,480	1,764	.....	105,440
Barhoo	1,12,620	25	1,700	592	Central Provinces	1,03,120	288	.....	68,570
Barhoo	4,24,640	510	62,022	759	Hyderabad States	1,72,560	12	.....	525
Barhoo	2,18,720	106	1,700	.....	Nizam's Territory	.....	.....	.....	.....
Barhoo	7,89,660	1,726	4,370	.....	Bombay	43,955	11	.....	880,004
Barhoo	3,04,410	1,247	24,461	.....	Madras	20,260	672	.....	14,620
Barhoo	3,03,110	490	13,455	.....	British Burmah	1,72,554	1,072	1	72,000
Barhoo	7,985	31	17,109	.....	Pondicherry	.....	.....	.....	15,000
Barhoo	1,07,550	191	4,651	236,450	Other places	2,10,018	100	5,327	4,371,130
Barhoo	15,879	1,040	5,820	1,000	Grand total of Exports in November	1,00,89,720	23,016	5,20,144	7,026,997
Total of Bengal	47,73,366	12,815	2,06,032	606,827	1878	1,28,41,283	20,636	6,11,622	6,571,967
BEHAR.					The Sea-borne Trade of Calcutta in these staples during the month of November 1879 was as follows:—				
Barhoo	Rs. 14,75,840	Mds. 273	Mds. 91,103	No. 130,020	IMPORTED INTO CALCUTTA—				
Barhoo	3,93,800	103	15,324	10,570	From Foreign Ports—	Rs.*	Mds.	Mds.	No.
Barhoo	1,93,640	.....	4,965	3,810	United Kingdom	1,10,11,361	15,037	4,63,636	.....
Barhoo	3,93,520	230	20,063	44,295	Other foreign ports	14,169	9	1,00,512	11,900
Barhoo	.....	.....	11,100	17,450	Total of foreign trade	1,10,25,530	15,046	5,73,448	21,804
Barhoo	.....	.....	500	.....	From Indian Ports—				
Barhoo	2,23,680	112	6,478	19,235	Bombay	51,580	5,532	33,007	.....
Barhoo	2,66,320	188	15,214	20,700	Madras	11,184	23	.....	.....
Barhoo	3,20,840	307	1,030	1,445	Other ports in Madras	500	.....	.....	130
Barhoo	.....	.....	4,475	1,325	British Burmah	154	.....	.....	2,500
Barhoo	2,27,290	227	7,803	9,730	Other Indian ports	405	5	.....	.....
Total of Behar	34,76,320	1,490	1,79,205	230,430	Total of interport trade	45,025	5,562	35,007	2,630
ORISSA.					Grand total of Imports in November	1,19,69,133	20,608	6,08,435	14,450
Barhoo	Rs. 93,945	Mds. 623	.....	41,030	1878	77,71,150	18,327	7,07,647	94,200
Barhoo	1,400	.....	.....	.....		
Barhoo	61,075	1,001	.....	31,930					
Total of Orissa	1,56,820	1,714	.....	72,960					

The following Statement shows the several Routes followed by the Trade in the principal Staples of Traffic exported from Calcutta during the month of November 1879.

SPECIFICATION OF ROUTES.					Cotton piece-goods (European).	Cotton twist (European).	Salt.	Gunny-bags.
					Rs.	Mds.	Mds.	No.
country boats					2,01,057	4,719	2,73,967	461,404
river steamers					9,14,790	1,013	7,030	.....
East Indian					1,00,38,200	8,121	1,84,812	731,710
Eastern Bengal					31,49,330	4,007	40,804	.....
road					2,13,840	1,017	6,170	3,718
sea					4,08,414	5,419	1	4,420,773
Grand total of Exports in November	1879	1,00,89,720	23,016	5,20,144	7,026,997			
1878	1,28,41,283	20,636	6,11,622	6,571,967				

* As per tariff declaration value.

STATISTICAL DEPARTMENT,
The 2nd February 1880.

A. MACKENZIE,
Secy. to the Govt. of Bengal.

Mean Pressures and Temperatures of the preceding Table reduced to sea-level, with Anemometric Results and Cloud Observations.

STATIONS.	Mean barometric pressure reduced to sea-level.	Mean temperature reduced to sea-level.	WIND.										Percentage and resultant.	Mean velocity daily.	Mean clouds.
			North.	North-east.	East.	South-east.	South.	South-west.	West.	North-west.	Variable.	Calm.			
Seabaugor ...	30.045	61.4	1	25	28	3	...	...	...	...	...	5	82 N 71° E	29.0	2.60
Qualpara ...	...	...	...	...	...	...	15	25	11	1	...	10	68 S 41° W	29.6	1.34
Darjeeling ...	...	...	...	...	...	...	...	...	19	20	...	...	53 N 41° W	24.6	0.53
Purneah ...	30.049	63.7	6	7	4	2	...	...	...	...	...	...	80 S 86° W	45.5	1.44
Durbhunga ...	30.028	61.8	2	2	...	1	...	14	39	4	...	...	77 N 89° W	11.8	2.13
Patna ...	043	61.8	...	1	1	...	...	1	47	2	...	10	28 N 65° W	20.7	1.71
Oya ...	059	64.5	1	...	...	...	...	...	12	19	...	37	69 N 32° W	93.3	1.61
Hasarobagh ...	043	63.3	11	6	2	2	...	2	6	33	...	...	65 N 13° W	49.6	2.06
Berhampore ...	30.009	64.4	26	4	4	3	1	1	3	2	...	...	73 N 11° W	52.4	2.53
Burdwan ...	30.001	66.6	34	3	2	1	1	...	2	16	...	4	87 N 11° W	35.3	2.66
Jessore ...	30.002	66.1	46	1	...	...	1	1	2	11	...	...	47 N 28° W	49.3	2.94
Dacca ...	081	68.0	16	3	...	...	1	1	6	13	...	22	37 S 82° E	49.4	2.89
Silchar ...	086	67.6	6	11	20	6	4	10	3	1	...	...	39 N 15° W	43.5	3.60
Chittagong ...	070	69.5	6	17	2	1	...	2	11	12	...	12	41 N 75° W	...	0.81
Demagiri ...	...	...	6	8	1	2	...	6	8	12	...	5	73 N 5° W	73.4	2.25
Alipore ...	30.000	64.2	67	19	1	2	4	1	6	23	...	1	77 N 3° E	153.3	3.43
Saugor Island ...	30.009	66.1	81	22	1	...	4	5	1	9	...	...	60 N 56° E	29.8	1.83
Cuttack ...	30.005	66.4	1	22	11	...	...	...	...	1	...	27	68 N 29° E	183.5	2.32
False Point ...	041	64.7	24	16	12	1	...	...	2	5	...	2	70 N 71° E	51.9	2.03
Vizagapatam ...	30.084	73.9	9	38	53	14	...	1	4	6	...	...	81 N 6° E	80.5	4.14
Akyab ...	066	73.4	11	14	8	8	3	6	...	11	...	...	74 N 63° E	221.1	5.66
Port Blair ...	086	79.6	2	39	7	11	1	1	...	1	...	...	83 S 79° E	151.1	7.77
Nauowry ...	878	78.9	...	3	43	11	2	3	...	...	...	...	...	...	...

NOTE.

Barometric Pressure.—The pressures in column 2 of the above table for all stations below 500 feet are reduced from those given in column 3 of the table on the previous page, by adding the weight of a column of air of the temperatures given in column 18. For stations above 500 feet elevation the reduction is made by Captain Allan Cunningham's table, "Prof., Papers on Indian Engineering, No. OXIII." The temperatures at the sea-level are taken from column 3 of the above table.

Temperature.—The temperatures in column 3 are reduced from those in column 18 on the preceding page, by adding 1° Fahrenheit for every 450 feet.

Wind Resultant.—The resultant wind direction and its comparative predominance are calculated from the whole number of wind observations recorded during the month. The relative predominance in the direction of the resultant is given as a percentage of the whole number of observations. The direction is computed in the usual way by Lambert's formula.

Cloud.—This column gives the average proportion of clouded sky, a cloudless sky being indicated by 0, and one completely overcast by 10.

The above, being all comparable, afford the data for constructing a meteorological chart for the month, which will show the isobaric and isothermal lines and the resultant wind directions, which last may be represented by arrows of varying length, proportioned to the prevalence of the wind. To these may be added the rainfall from the previous tables.

JOHN ELIOT,

Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,
The 31st January 1880.

Results of the Meteorological Observations taken at the Alipore Observatory from 25th to 31st January 1880.

Month.	Date	Maximum in sun.	Mean pressure barometer at 32° F.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1880.		☉	Inches.	☉	☉	☉	☉	☉	Inches	☉	%			Inches	
Jan.	25th	131.0	30.107	61.4	74.8	20.3	48.5	53.9	0.324	47.0	60	Till 2 A.M. N W by W, till 10 A.M. N W by N, till midnight N.	114	Nil	Clear, w.
"	26th	132.9	.075	64.4	76.8	21.9	54.9	56.9	.369	50.6	62	Till 9-30 A.M. N, till 3 A.M. N by E, till midnight N E by N.	120	...	Clear, w.
"	27th	134.8	.053	65.5	79.2	23.5	55.7	59.0	.410	52.8	68	Till noon N E by N, till 1-30 P.M. W by N through N and N W, till 3-45 P.M. N E by N through N W and N, till 7-30 P.M. W by S through N and N W, till midnight N N W through N W.	75	...	Chiefly clear, w & ☁.
"	28th	136.7	.079	65.1	78.8	24.5	54.3	58.6	.410	53.4	68	Till 8 A.M. N N W, till 11-45 A.M. E N E through N and N E, till midnight S W through N, N W and W.	55	...	Clear, w.
"	29th	136.9	.091	65.5	79.0	24.3	54.7	58.9	.410	53.8	69	Till 8 A.M. S W, till midnight W N W.	60	...	Clear, f & w.
"	30th	135.1	.099	65.5	79.0	24.7	54.3	58.6	.406	53.2	68	Till 10 A.M. W N W, till 3 P.M. N N W, till midnight N W by N.	48	...	Chiefly clear, f & w.
"	31st	135.2	.085	65.5	79.7	26.4	53.3	58.0	.385	51.7	64	Till noon N W by N, till midnight W N W through N W.	85	...	Clear, w.

The mean pressure of the seven days ... 30.083
The average pressure of the corresponding period for 24 years, S. G. Office ... 29.996

The mean temperature of the seven days ... 64.7
The average temperature of the corresponding period for 24 years, S. G. Office ... 68.7
The extreme variation of temperature during the seven days ... 31.2
The maximum temperature during the seven days ... 79.7

The mean relative humidity during the seven days ... 66
The average relative humidity of the corresponding period for 24 years, S. G. Office ... 71

The total fall of rain from 25th to 31st January 1880 ... Nil
The average fall of the corresponding period for 24 years, S. G. Office ... 0.22
The total fall from 1st to 31st January 1880 ... 0.05
The average fall of the corresponding period for 24 years, S. G. Office ... 0.39

The mean pressure, temperature, &c., are deduced from the traces of the barograph and thermograph. The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

w dew, ☁ whirlwind, f fog.

METEOROLOGICAL OFFICE, INDIA,
The 2nd February 1880.

HENRY F. BLANFORD,
Meteorological Reporter to the Government of India.

Reports of Fluctuation of Traffic on the Eastern Bengal Railway for the four weeks ending the 27th December 1879.

Report on Goods Traffic for the four weeks ending the 27th December 1879.

EASTERN BENGAL RAILWAY COMPANY, TRAFFIC SUPERINTENDENT'S OFFICE, SEALDAH TERMINUS.

Dated Calcutta, the 19th January 1880.

From—The Traffic Superintendent, Eastern Bengal Railway,
To—The Agent, Eastern Bengal Railway.

We carried during the above period 7,01,799 maunds, as compared with 5,61,958 maunds for the same period of the previous year, showing an increase of 1,39,841 maunds. This increase was chiefly in grain, including rice, jute in drums, European piece-goods, salt, sugar, tea, tobacco in bundles, and miscellaneous goods.

The following items show the largest decrease, viz. jute in bales, railway materials, and seeds.

Increases.

Grain, including rice ... Mds 24,829
This increase is probably owing to merchants having retained a large stock of the previous year's grain in hand, pending the result of the harvest of 1879, which, turning out good and plentiful, they are now anxious to dispose of their stock before the market falls.

Jute in drums ... Mds. 81,058
This increase is owing to the comparative lateness of the season, and to the generally increased activity in trade.

Piece-goods, European ... Mds. 7,174
This is owing to the revival of trade and generally improved condition of the people.

Salt ... Mds. 29,628
This is owing to the present low rates for freight, and transport by water to many places being impracticable at this time of the year.

Sugar ... Mds. 4,240
This is owing to the rise in the market.

Tea ... Mds. 4,269
This is also owing to the rising rates in the market, and the increased European demand.

Tobacco in bundles ... Mds. 8,290
This is owing to increased demand.

Miscellaneous goods ... Mds 37,407
This is in a great measure owing to the diversion by the Northern Bengal State Railway of the traffic that used formerly to find its way by water to the districts now served by that railway.

Decreases.

Jute in bales ... Mds. 45,254
This is owing to most of the jute being now pressed in Calcutta.

Seeds ... Mds. 3,534
This is owing to the destruction of crops by the recent floods.

I attach the usual statement of increases and decreases.

EASTERN BENGAL RAILWAY.

Statement showing Increases and Decreases in maundage of Staples carried over the line for the four weeks ending the 27th December 1879, as compared with the corresponding period of 1878.

DESCRIPTION.	Down.	Down.	Up.	Up.	Total.	Total.	Increase.	Decrease.
	1878.	1879.	1878.	1879.	1878.	1879.		
Ale, beer, wine, &c.	6	...	1,030	1,953	1,026	1,953	926	...
Cotton, bundles of	408	290	219	43	625	323	...	303
Do., bales of	1,372	...	93	302	1,465	302	...	1,163
Grain, including rice	10,123	33,595	4,740	6,097	14,863	39,692	24,829	...
Gunny, bundles of	1,696	1,923	1,011	1,367	2,707	3,290	583	...
Do., bales of	12,993	8,284	...	121	12,993	8,405	...	4,588
Hides, bundles of	15,954	15,303	5	207	15,959	15,510	...	449
Do., bales of	848	886	...	...	848	886	38	...
Jute, drums of	2,52,262	3,37,073	3,753	...	2,56,016	3,37,073	81,058	...
Do., bales of	76,088	30,896	62	...	76,150	30,896	...	45,254
Piece-goods, European	...	156	26,758	33,776	26,758	33,932	7,174	...
Ditto, Indian	158	4	...	...	158	4	...	154
Railway material, foreign	...	...	16,891	15,136	16,891	15,136	...	1,755
Salt	...	...	29,560	56,488	29,560	56,488	26,928	...
Seeds	10,852	7,147	2,888	3,059	13,740	10,206	...	3,534
Sugar	128	216	541	4,093	669	4,909	4,240	...
Tea, European	...	...	...	...	...	...	...	...
Do., Indian	10,182	14,569	158	50	10,340	14,609	4,269	...
Tobacco, bundles of	8,007	16,156	404	635	8,601	16,791	8,290	...
Do., bales of	...	...	...	...	...	...	...	...
Turmeric	1,913	1,633	149	32	2,061	1,564	...	497
Twist, European	...	...	3,168	4,138	3,168	4,138	970	...
Do., Indian	6	841	...	...	6	841	835	...
Miscellaneous	16,630	15,538	50,825	80,324	67,455	1,04,862	37,407	...
Total	4,19,623	4,84,380	1,42,335	2,17,410	5,61,958	7,01,799	1,39,841	67,706
							5,61,955	67,706
Increase							1,39,841	1,39,841

Report of Fluctuation of Traffic on the Tirhoot State Railway for the month of December 1879.

The total quantity of goods carried during the month of December 1879 aggregated maunds 2,03,172 as compared with maunds 2,08,420 carried during the corresponding period of 1878, and maunds 1,73,522 carried during the previous month, showing a decrease of maunds 6,248 in the one case and an increase of maunds 28,650 in the other.

In considering the business transacted during this month it should be borne in mind the exceeding difficulties that had to be overcome by the Traffic Department in the interruption to the direct transit at the river Bys, and but for the enduring perseverance of the department, only a moiety of this total amount of goods could have been transported.

		<i>Increases.</i>			
Hides and horns	Mds.	11,235
The continued increase in this staple of traffic is due to the high prices and demand for shipments to America and other markets.					
Indigo	Mds.	715
The outturn of indigo this season was small, and the business done during the month is satisfactory.					
Iron	Mds.	225
This solely depends upon local requirements.					
Piece-goods	Mds.	6,173
This is chiefly import traffic from Howrah, and out of the total quantity 8,134 were booked to Darbhanga and 6,263 to Mouafferpore for conveyance to the interior of this district.					
Seeds, oil	Mds.	16,270
At the commencement of the month the markets were somewhat brisk, and caused a movement downwards of this particular staple.					
Salt	Mds.	5,154
Although an increase, merchants could not import as much salt as they intended owing to the salt golabs being closed during the gazetted holidays.					
Saltpetre	Mds.	10,156
There was an active demand in the Calcutta markets where prices rose.					
Tobacco	Mds.	4,551
This is the balance of last year's crops.					
Miscellaneous goods	Mds.	7,273
The increase on this staple is steady.					
		<i>Decreases.</i>			
Coal	Mds.	7,000
A nominal decrease.					
Food-grain	Mds.	50,830
Owing to the abundant harvest throughout the country, the prices have been lower in Calcutta than in the local markets, and the grain has been stored.					
Railway material	Mds.	5,831
Depends upon railway works under construction.					
Seeds, indigo	Mds.	2,408
Last year's import was early.					
Sugar	Mds.	1,901
This is owing to the failure of the sugarcane crops in the district owing to the heavy flood.					

TIRHOOT STATE RAILWAY.

TRAFFIC DEPARTMENT.

Statement showing Increases and Decreases in Maundage of Staples carried over the Line during the month of December 1879, as compared with the corresponding period of 1878.

STAPLES.	1878.		1879.		1878.	1879.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
Coal	10,585	453	3,078	900	11,038	3,978	7,060	
Food-grain	6,555	78,171	2,974	30,922	84,726	33,896	50,830	
Hides and horns	3	5,963	66	15,135	3,066	15,201	11,235	
Indigo	13,072	13,072	14,067	13,952	14,067	14,067	715	
Iron	1,896	201	2,166	116	2,057	2,282	225	
Piece-goods	9,672	82	15,807	120	0,754	15,927	6,173	
Railway material	814	7,094	915	1,162	7,908	2,077	5,831	
Seeds, indigo	2,408	2,408	2,408	2,408	2,408	2,408	2,408	
Seeds, oil	27	16,595	93	32,509	16,532	32,602	16,270	
Salt	19,531	472	21,098	4,359	20,903	25,437	5,154	
Saltpetre	10,818	10,818	26,974	16,818	16,818	26,974	10,156	
Sugar	80	2,504	227	456	2,584	683	1,901	
Tobacco	5,927	5,927	10,393	5,927	10,508	4,551	4,551	
Miscellaneous goods	3,658	6,989	9,135	8,763	10,647	17,920	7,273	
	55,689	1,52,931	55,784	1,46,388	2,08,420	2,02,172	61,782	60,630
					2,02,172			61,782
Decrease					6,248			6,248

SOMASTIPORE, the 22nd January 1880.

W. M. JOHNSTON, Traffic Supdt.

Report of Fluctuation of Traffic on the Patna and Gya State Railway for the month of December 1879.

The approximate quantity of goods carried during the month of December 1879 aggregated maunds 1,24,781 as compared with maunds 1,17,720 carried during the previous month, showing the satisfactory increase of maunds 7,061.

PATNA AND GYA STATE RAILWAY.

TRAFFIC DEPARTMENT.

Statement showing Maundage of Staples carried over the Line during the month of December 1879.

STAPLES.	1878.		1879.		1878.	1879.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
Coal	4,030	...	...	4,030	...	...
Food-grains	4,223	42,040	...	46,272	...	...
Hides and horns	6	1,826	...	1,832	...	...
Iron	350	50	...	418	...	...
Piece-goods	1,964	29	...	1,994	...	...
Railway material (on revenue account)	4,041	71	...	4,112	...	...
Seeds, oil	425	6,324	...	6,749	...	...
Salt	13,098	62	...	13,430	...	...
Saltpetre	750	4,067	...	4,817	...	...
Stones ballast	750	...	...	750	...	...
Sugar	764	17,776	...	18,474	...	...
Tobacco	2,314	66	...	2,370	...	...
Miscellaneous goods	9,218	10,165	...	19,383	...	...
Total	61,402	83,379	...	1,24,781	...	...

SOMASTIPORE, the 22nd January 1880.

W. M. JOHNSTON, Traffic Supdt.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 24th January 1880 on 1,507½ miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN.		
	No. of passengers.	Coaching receipts.		Weight carried.	Receipts.			Coach- ing.	Merchan- dise.	Total.
		Rs. A. P.	£ s. d.	Mds. S.	Rs. A. P.	£ s. d.	Rs. A. P.			
Total traffic for the week...	151,163	2,33,509 5 3	25,903 17 1	15,05,716 20	6,39,149 3 0	58,598 13 6	922,718 4 3	52,967½	102,045½	155,003
Or per mile of railway ...	188 2 2	17 4 11	17 4 11	...	424 0 10	38 17 5	612 3 0	...	...	...
For previous 2 weeks of half-year ...	354,519	5,04,909 14 0	54,524 4 9	36,09,020 20	15,33,509 2 0	140,571 13 5	21,28,319 0 0	130,525½	297,829	394,354½
Total for 3 weeks ...	505,682	8,78,579 3 3	80,518 1 10	51,14,737 0	21,72,658 5 0	199,160 6 11	30,51,637 8 3	479,496	329,864½	579,357½
COMPARISON.										
Total for corresponding week of previous year ...	195,294½	2,97,095 13 9	27,232 17 6	16,04,096 0	6,41,120 15 0	58,769 5 4	9,35,206 12 9	52,339	125,129	175,468
Per mile of railway, corresponding week of previous year ...	197 1 8	18 1 4	18 1 4	...	425 5 9	38 19 10	622 7 5	...	...	...
Total to corresponding date of previous year ...	551,745	8,36,275 2 5	76,658 11 2	54,99,095 30	22,74,429 5 10	205,459 7 1	31,10,704 8 3	199,499	455,248	654,747

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 24th January 1880 on 171½ miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week	46,531½	35,727 0 0	3,274 19 6	2,40,500 0	42,742 0 0	3,918 0 4	7,192 19 10
Or per mile of railway	263	298 0 3	19 1 4	1,404 15	249 13 10	23 16 3	41 17 7
For previous 3 weeks of half-year	95,314	73,340 0 0	6,723 16 8	5,01,913 0	93,683 0 0	8,528 4 2	15,251 0 10
Total for 4 weeks ...	141,845½	1,00,967 0 0	9,997 16 2	7,42,413 0	1,36,777 0 0	12,446 4 6	22,448 0 8
COMPARISON.							
Total for corresponding week of previous year	47,443½	34,609 11 3	3,172 11 1	1,73,868 25	31,489 11 2	2,986 8 9	6,068 14 10
Per mile of railway, corresponding week of previous year	299	218 0 3	19 19 9	1,095 9	198 5 4	18 8 7	33 3 4
Total to corresponding date of previous year...	140,520½	1,06,463 4 3	9,753 12 8	5,43,285 23	1,02,977 0 7	9,857 1 2	19,110 13 19

BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

No. 51.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1879.	Total decrease in 1879.
			21st December 1878.	20th December 1879.	To 21st December 1878.	To 20th December 1879.		
		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
20th December 1879	Northern Bengal	230	27,906 0 0	43,529 0 0	8,88,527 0 0	12,84,936 0 0	3,96,409 0 0	.....
16th January 1880	Tirhoot	82	9,523 0 0	11,900 0 0	4,31,425 0 0	4,35,515 0 0	3,390 0 0	.....
17th ditto	Calcutta and South-Eastern	28	2,105 0 0	2,000 0 0	1,22,085 0 0	1,26,640 0 0	4,555 0 0	.....
20th December 1879	Nalhati	27½	1,334 0 0	1,714 0 0	87,471 0 0	88,863 0 0	1,391 0 0	.....
3rd January 1880	Patna and Gya	57	.....	6,619 0 0	.....	2,16,609 0 0	2,16,609 0 0	.....
	Total	424½	41,068 0 0	65,053 0 0	15,39,508 0 0	21,50,563 0 0	6,11,354 0 0	.....